| FOName | DetailDescription | OptionValueType | CustomerSwitchable |
|---|---|---|---|
| ALWAYSON_DFOSET | ALWAYSON_DFOSET=yes, means the features belong to it will enable DFO mechanism<br>[dependency_relationship]<br>no | 1.Yes/No | N |
| ALWAYSON_DFOSET_VALUE | ALWAYSON_DFOSET_VALUE= , means what features belong to ALWAYSON_DFOSET (for future work).<br>[dependency_relationship]: no | 2.Text | N |
| ANDROID_LOG_MUCH_COUNT | In android log much detect feture, it define the detect count, if value is 0, mean don't detect the feature. > 0 mean android log detect count each second. | 3.Number | N |
| BOOT_LOGO | to choose which boot logo folder would be used,<br><br>the boot logo folder path is mediatek/custom/common/uboot/logo/<br><br>[dependency_relationship]:depend operator config and resolution config.<br><br>for example:<br><br>resolution :LCM_WEIGHT = 480, LCM_HEIGHT =800,  the BOOT_LOGO is wvga<br><br>        LCM_WEIGHT = 720, LCM_HEIGHT =1280,  the BOOT_LOGO is hd720<br><br>prefix: OPTR_SPEC_SEG_DEF =OP01, the BOOT_LOGO is cmcc<br><br>        OPTR_SPEC_SEG_DEF =OP02, the BOOT_LOGO is cu | 4.Select | N/A |
| BUILD_AGO_GMS | For a-go project, it needs to apply a-go gms for verification | 1.Yes/No | Y |
| BUILD_KERNEL | Decide whether to build kernel or not.<br>[dependency_relationship]: no | 1.Yes/No | Y |
| BUILD_LK | Decide whether to build lk or not.<br>[dependency_relationship]: no | 1.Yes/No | Y |
| BUILD_MD32 | Increase BUILD_MD32 to ProjectConfig.mk. Only MT6593 will build md32, other chips do not build it<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| BUILD_MTK_LDVT | build ldvt project<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| BUILD_MTK_SDK | The feature option is only applicable to MTK SDK project (banyan_addon).<br><br>It decides what packages to produce. api: Create MTK SDK API package only<br><br>(e.g. mtk_sdk_api_addon-10.1.zip) toolset: Create MTK SDK Toolset package only<br><br>(e.g. mtk_sdk_toolset-1.0.<br><br>[dependency_relationship]: no | 4.Select | Y |
| BUILD_PRELOADER | Decide whether to build preloader or not.<br>[dependency_relationship]: no | 1.Yes/No | Y |
| BUILD_UBOOT | Decide whether to build uboot or not.<br>[dependency_relationship]: no | 1.Yes/No | N |
| CMCC_LIGHT_CUST_SUPPORT | ???????OM????CMCC???package????option???CMCC???????????? | 1.Yes/No | Y |

| | | | |
|---|---|---|---|
| CUSTOM_BUILD_VERNO | User can input ASCII string which is showed in About phone and bootimg header.<br><br>[dependency_relationship]: no | 2.Text | N |
| CUSTOM_CONFIG_MAX_DRAM_SIZE | CUSTOM_CONFIG_MAX_DRAM_SIZE is used for config DRAM size for LCA projects.<br>LCA projects have smaller DRAM size than nornal projects. We often develop and test LCA projects on normal project phones.<br>Hence we need this option to config DRAM size in LK stage. | 3.Number | N |
| CUSTOM_HAL_ANT | it is used to decide combo chip or SOC chip consys BT and WiFi antenna architecture.<br><br>The meaning of each value is defined as follows. Please note that &quot;CUSTOM_HAL_ANT&quot;<br><br>setting must be consistent with customer&apos;s antenna architecture layout.<br><br>Improper setting<br><br>[dependency_relationship]: no | 2.Text | Y |
| CUSTOM_HAL_AUDIOFLINGER | For audio flinger's customization folder<br>[dependency_relationship]: no,can not be modify | 2.Text | N |
| CUSTOM_HAL_BLUETOOTH | configuration for bluetooth device port and baudrate<br>[dependency_relationship]: no,can not be modify | 2.Text | N |
| CUSTOM_HAL_CAMERA | User space customized camera driver for camera related config, tuning setting and info.<br>The feature value defines the customized camera folder path in alps\mediatek\custom\common\hal\camera\$value<br>[dependency_relationship]: no,can not be modified | 2.Text | Y |
| CUSTOM_HAL_CAM_CAL | You can adopt it according to CAM_CAL part number. Now, it&apos;s only dummy_eeprom<br>To 658x, it&apos;s replace CUSTOM_HAL_EEPROM driver<br>[dependency_relationship]: the CUSTOM_HAL_CAM_CAL must be set as same as CUSTOM_KENREL_CAM_CAL | 2.Text | N/A |
| CUSTOM_HAL_COMBO | 1. This value is used to control combo chip or SOC connsys firmware  patch path.<br><br>[dependency_relationship]: if CUSTOM_HAL_COMBO = mt6620/mt6628/mt6630, the MTK_COMBO_CHIP must be set as related combo chip name;<br><br>if CUSTOM_HAL_COMBO = mt6572_82,  the MTK_COMBO_CHIP must be set as related SOC consys name. | 2.Text | Y |
| CUSTOM_HAL_EEPROM | User space driver : Sensor module might have calibration data such as lens shading.<br>You can adopt it according to EEPROM part number. Now, it&apos;s only s24cs64a_eeprom<br>[dependency_relationship]: the CUSTOM_HAL_EEPROM must be set as same as CUSTOM_KENREL_EEPROM | 2.Text | Y |

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|---|---|---|---|
| CUSTOM_HAL_FLASHLIGHT | User space cameara flashlight driver.You can use this driver to choose cameara flashlight type.<br>[dependency_relationship]: no | 2.Text | Y |
| CUSTOM_HAL_IMGSENSOR | User space image sensor driver. Define  project used all image sensors.<br> The value is combination of CUSTOM_HAL_MAIN_IMGSENSOR,<br>CUSTOM_HAL_MAIN_BACKUP_IMGSENSOR,<br> CUSTOM_HAL_SUB_IMGSENSOR, and<br>CUSTOM_HAL_SUB_BACKUP_IMGSENSOR<br>[dependency_relationship]: no | 2.Text | Y |
| CUSTOM_HAL_LENS | lens driver config for raw sensor camera<br>[dependency_relationship]: no | 2.Text | Y |
| CUSTOM_HAL_MAIN2_IMGSENSOR | User space image sensor  driver: 3D camera (rear camera) used sensor related tuning,<br>setting and calibration information.Value is used 3d sensor name<br>[dependency_relationship]: no | 2.Text | Y |
| CUSTOM_HAL_MAIN_BACKUP_IMGSENSOR | User space image sensor  driver: Main camera  (rear camera) used backup sensor related tuning,<br> setting and calibration information. Value is used main backup sensor name.<br>[dependency_relationship]: no | 2.Text | Y |
| CUSTOM_HAL_MAIN_BACKUP_LENS | lens driver config for main raw sensor camera (2nd solution)<br>[dependency_relationship]: no | 2.Text | Y |
| CUSTOM_HAL_MAIN_IMGSENSOR | User space image sensor  driver: Main camera (rear camera) used sensor related tuning,<br> setting and calibration information.Value is used main sensor name.<br>[dependency_relationship]: no | 2.Text | Y |
| CUSTOM_HAL_MAIN_LENS | lens driver config for main raw sensor camera<br>[dependency_relationship]: no | 2.Text | Y |
| CUSTOM_HAL_MSENSORLIB | add mc64xx to CUSTOM_HAL_MSENSORLIB in the file ProjectConfig.mk | 2.Text | N/A |
| CUSTOM_HAL_SENSORS | sensor hal layer common part<br>[dependency_relationship]: If CUSTOM_HAL_SENSORS =sensors MTK_SENSOR_SUPPORT = yes must be set | 2.Text | Y |
| CUSTOM_HAL_SUB_BACKUP_IMGSENSOR | User space image sensor driver: Sub camera (front camera )used backup sensor related tuning,<br> setting and calibration information. Value is used sub backup sensor name.<br>[dependency_relationship]: no | 2.Text | Y |
| CUSTOM_HAL_SUB_BACKUP_LENS | lens driver config for sub raw sensor camera (2nd solution)<br>[dependency_relationship]: no | 2.Text | Y |
| CUSTOM_HAL_SUB_IMGSENSOR | User space driver: Sub camera (front camera )used sensor related tuning, setting and calibration information. Value is used sub sensor name.<br>[dependency_relationship]: no | 2.Text | Y |
| CUSTOM_HAL_SUB_LENS | lens driver config for sub raw sensor camera<br>[dependency_relationship]: no | 2.Text | Y |
| CUSTOM_HIFI_SENSORS | feature option to show that the phone has  hi-fi sensors  support | 1.Yes/No | Y |
| CUSTOM_KERNEL_ACCELEROMETER | accelerometer sensor to detect accelerometer from x y z axis.<br>[dependency_relationship]: no | 2.Text | Y |
| CUSTOM_KERNEL_ACTIVITY_SENSOR | ACTIVITY sensor | 2.Text | Y |
| CUSTOM_KERNEL_ALSPS | ALSPS sensor driverto detect ambint light and the object is close or far awary from device<br>[dependency_relationship]: no | 2.Text | Y |
| CUSTOM_KERNEL_ANSWER_CALL_SENSOR | For control gesture sensor of answer call | 2.Text | Y |
| CUSTOM_KERNEL_BAROMETER | Pressure sensor driver to detect pressure<br>[dependency_relationship]: no | 2.Text | Y |

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|---|---|---|---|
| CUSTOM_KERNEL_BATTERY | The battery feature is the MUST include feature and can not be disable.<br>This feature provides battery monitor and charging. The system can not boot up without battery.<br>[dependency_relationship]: no,can not be modify | 2.Text | N |
| CUSTOM_KERNEL_BIOMETRIC_SENSOR | Biosensor to detect heart rate, blood pressure, etc. | 1.Yes/No | Y |
| CUSTOM_KERNEL_CAMERA | Kernel space image sensor driver: Camera sensor power control.<br> Assign build load path alps\mediatek\custom\common\kernel\camera\camera<br>[dependency_relationship]: no,can not be modified | 2.Text | Y |
| CUSTOM_KERNEL_CAM_CAL | Kernel space driver : Sensor module might have calibration data such as lens shading.You can adopt it according to CAM_CAL part number. Now, it&apos;s only dummy_eeprom<br><br>To 658x, it&apos;s replace CUSTOM_KERNEL_EEPROM driver<br><br>[dependency_relationship]: the CUSTOM_KENREL_CAM_CAL must be set as same as  CUSTOM_HAL_CAM_CAL | 2.Text | N/A |
| CUSTOM_KERNEL_CORE | It define customer kernel src location<br>[dependency_relationship]: no,can not be modify | 2.Text | N/A |
| CUSTOM_KERNEL_DCT | To enable using driver customization tool for GPIO/EINT/ADC/KEYPAD/PMIC setting<br>[dependency_relationship]: no,can not be modified | 2.Text | N |
| CUSTOM_KERNEL_DEVICE_ORIENTATION | CUSTOM_KERNEL_DEVICE_ORIENTATION | 2.Text | Y |
| CUSTOM_KERNEL_EEPROM | Kernel space driver : Sensor module might have calibration data such as lens shading.<br> You can adopt it according to EEPROM part number. Now, it&apos;s only s24cs64a_eeprom<br>[dependency_relationship]: the CUSTOM_KERNEL_EEPROM must be set as same as  CUSTOM_HAL_EEPROM | 2.Text | Y |
| CUSTOM_KERNEL_FACE_DOWN_SENSOR | FACE_DOWN_SENSOR | 2.Text | Y |
| CUSTOM_KERNEL_FLASHLIGHT | Kernel space cameara flashlight driver. You can use this driver to choose cameara flashlight type.<br>[dependency_relationship]: no | 2.Text | Y |
| CUSTOM_KERNEL_FLAT_SENSOR | To config flat sensor &apos;s option, this sensor indicates the devices flat on the table | 1.Yes/No | Y |
| CUSTOM_KERNEL_FLOOR_COUNTER | Support floor counter sensor | 1.Yes/No | Y |
| CUSTOM_KERNEL_GLANCE_GESTURE_SENSOR | glance gesture | 2.Text | Y |
| CUSTOM_KERNEL_GMRV_SENSOR | GeoMagneticRotationVector sensor option | 2.Text | Y |
| CUSTOM_KERNEL_GRAVITY_SENSOR | Gravity sensor | 2.Text | Y |
| CUSTOM_KERNEL_GRV_SENSOR | GameRotationVector sensor | 2.Text | Y |
| CUSTOM_KERNEL_GYROSCOPE | gyro driver<br>[dependency_relationship]: no | 2.Text | Y |
| CUSTOM_KERNEL_HEADSET | detect headset cable plug in and out<br>[dependency_relationship]: no | 2.Text | N |
| CUSTOM_KERNEL_IMGSENSOR | Kernel space image sensor driver. Define  project used all image sensors .<br>The value is combination of CUSTOM_KERNEL_MAIN_IMGSENSOR, CUSTOM_KERNEL_MAIN_BACKUP_IMGSENSOR,<br> CUSTOM_KERNEL_SUB_IMGSENSOR, and CUSTOM_KERNEL_SUB_BACKUP_IMGSENSOR<br>[dependency_relationship]: no | 2.Text | Y |
| CUSTOM_KERNEL_IN_POCKET_SENSOR | IN_POCKET sensor | 2.Text | Y |
| CUSTOM_KERNEL_KPD | key pad driver to report key event<br>[dependency_relationship]: no | 2.Text | N |

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|---|---|---|---|
| CUSTOM_KERNEL_LCM | To choose kernel LCM driver name<br>[dependency_relationship]: the CUSTOM_KERNEL_LCM must be set as sam as CUSTOM_UBOOT_LCM | 2.Text | Y |
| CUSTOM_KERNEL_LEDS | leds driver including green/red/blue<br>[dependency_relationship]: no,can not be modified | 2.Text | N |
| CUSTOM_KERNEL_LENS | lens driver config for raw sensor camera<br>same as CUSTOM_HAL_LENS<br>[dependency_relationship]: no | 2.Text | Y |
| CUSTOM_KERNEL_LINEARACCEL_SENSOR | Linear accelerometer virtual sensor | 2.Text | Y |
| CUSTOM_KERNEL_MAGNETOMETER | compass driver to detect compass raw data and report orientatino data<br>[dependency_relationship]: no | 2.Text | Y |
| CUSTOM_KERNEL_MAIN2_BACKUP_IMGSENSOR | Kernel space image sensor  driver: Main2 camera (3D camera) used backup sensor driver.Value is used main2 backup sensor name<br>[dependency_relationship]: no | 2.Text | Y |
| CUSTOM_KERNEL_MAIN2_IMGSENSOR | Kernel space image sensor driver:Main2 camera (3dcamera) used sensor driver.Value is used main2 sensor name.<br>[dependency_relationship]: no | 2.Text | Y |
| CUSTOM_KERNEL_MAIN_BACKUP_IMGSENSOR | Kernel space image sensor  driver:<br>Main camera (rear camera) used backup sensor driver.Value is used main backup sensor name.<br>[dependency_relationship]: no | 2.Text | Y |
| CUSTOM_KERNEL_MAIN_BACKUP_LENS | lens driver config for main raw sensor camera (2nd solution)<br>[dependency_relationship]: no | 2.Text | Y |
| CUSTOM_KERNEL_MAIN_IMGSENSOR | Kernel space image sensor driver:Main camera (rear camera) used sensor driver.Value is used main sensor name.<br>[dependency_relationship]: no | 2.Text | Y |
| CUSTOM_KERNEL_MAIN_LENS | lens driver config for main raw sensor camera<br><br>[dependency_relationship]: no | 2.Text | Y |
| CUSTOM_KERNEL_MOTION_DETECT | CUSTOM_KERNEL_MOTION_DETECT | 2.Text | Y |
| CUSTOM_KERNEL_ORIENTATION_SENSOR | the feature option for orientation sensor | 1.Yes/No | Y |
| CUSTOM_KERNEL_PDR_SENSOR | pdr configures for HAL SensorList?the value config &quot;yes&quot; means support?config &quot;no&quot; means not support. | 1.Yes/No | Y |
| CUSTOM_KERNEL_PEDOMETER | virtual sensor for pedometer | 2.Text | N |
| CUSTOM_KERNEL_PICK_UP_SENSOR | PICK_UP_SENSOR | 2.Text | Y |
| CUSTOM_KERNEL_RGBW | RGBW sensor driver to detect rgbw color raw data | 1.Yes/No | Y |
| CUSTOM_KERNEL_RGBW_SENSOR | For Sylvia Chameleon feature | 1.Yes/No | Y |
| CUSTOM_KERNEL_RTC | RTC driver customization<br>[dependency_relationship]: no | 2.Text | N |
| CUSTOM_KERNEL_RV_SENSOR | RotationVector virtual sensor | 2.Text | Y |
| CUSTOM_KERNEL_SENSORHUB | CUSTOM_KERNEL_SENSORHUB= CwMcuSensor<br><br>build/target/product/common.mk<br>PRODUCT_PACKAGES += sensors.default.so | 2.Text | N/A |
| CUSTOM_KERNEL_SHAKE_SENSOR | SHAKE_SENSOR | 2.Text | Y |
| CUSTOM_KERNEL_SIGNIFICANT_MOTION_SENSOR | SIGNIFICANT_MOTION_SENSOR | 2.Text | Y |
| CUSTOM_KERNEL_SOUND | For audio kernel driver's speaker customization folder definition.<br>[dependency_relationship]: no,can not be modify | 2.Text | N |

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|---|---|---|---|
| CUSTOM_KERNEL_SSW | describe is there is sim switch hardware, it&apos;s always enable on MT6589/MT6572/MT6582 platform.<br><br>[dependency_relationship]: yes, it&apos;s depend on MTK_ENABLE_MD1 and MTK_ENABLE_MD2 | 5.Multi-select | Y |
| CUSTOM_KERNEL_STATIONARY_SENSOR | For control stationary gesture sensor | 2.Text | Y |
| CUSTOM_KERNEL_STEP_COUNTER | step counter sensor to detect step. | 2.Text | Y |
| CUSTOM_KERNEL_STEP_DETECTOR | Support step counter sensor | 1.Yes/No | Y |
| CUSTOM_KERNEL_SUB_BACKUP_IMGSENSOR | Kernel space image sensor driver:Sub camera (front camera) used backup sensor driver.Value is used sub backup sensor name.<br>[dependency_relationship]: no | 2.Text | Y |
| CUSTOM_KERNEL_SUB_BACKUP_LENS | lens driver config for sub raw sensor camera (2nd solution)<br>[dependency_relationship]: no | 2.Text | Y |
| CUSTOM_KERNEL_SUB_IMGSENSOR | Kernel space image sensor driver:Sub camera (front camera) used sensor driver.Value is used sub sensor name.<br>[dependency_relationship]: no | 2.Text | Y |
| CUSTOM_KERNEL_SUB_LENS | lens driver config for sub raw sensor camera<br>[dependency_relationship]: no | 2.Text | Y |
| CUSTOM_KERNEL_TILT_DETECTOR_SENSOR | tilt detector sensor | 2.Text | Y |
| CUSTOM_KERNEL_TOUCHPANEL | touch driver  need to report correct touch axes<br>[dependency_relationship]: no | 2.Text | Y |
| CUSTOM_KERNEL_UNCALI_GYRO_SENSOR | add virtual sensor type uncali_gyroscope | 2.Text | N |
| CUSTOM_KERNEL_UNCALI_MAG_SENSOR | add virtual sensor type uncali_magnetic | 2.Text | N |
| CUSTOM_KERNEL_USB | Configuration for USB PHY<br>[dependency_relationship]: no,can not be modify | 2.Text | N |
| CUSTOM_KERNEL_VIBRATOR | Support custom to set Vibrator timer.<br>[dependency_relationship]: no | 2.Text | N |
| CUSTOM_KERNEL_WAKE_GESTURE_SENSOR | wake gesture sensor | 2.Text | Y |
| CUSTOM_LK_LCM | To choose LK LCM driver name<br>[dependency_relationship]: the CUSTOM_LK_LCM must be set as sam as CUSTOM_KERNEL_LCM | 2.Text | Y |
| CUSTOM_MODEM | ALPS.JB9.EVDO.MP\alps\mediatek\config\mt6592_evb_evdo\ProjectConfig.mk<br><br>Please modify as CUSTOM_MODEM = mt6592_demo_hspa_sky_evdo<br>(NEW) | 2.Text | N |
| CUSTOM_SEC_AUTH_SUPPORT | Support customer to implement and apply their own RSA security functions<br>[dependency_relationship]: no | 1.Yes/No | Y |
| CUSTOM_SEC_SIGNTOOL_SUPPORT | Support customer to implement and apply their own RSA security functions<br>[dependency_relationship]: no | 1.Yes/No | Y |
| CUSTOM_UBOOT_LCM | To choose uboot LCM driver name<br>[dependency_relationship]: the CUSTOM_UBOOT_LCM must be set as sam as CUSTOM_KERNEL_LCM | 2.Text | Y |
| DEFAULT_LATIN_IME_LANGUAGES | Since LatinIME(Android Keyboard) supports lots of languages, this option can help customer to define which language should be set as default lagnuage for LatinIME(Android Keyboard)<br>[dependency_relationship]: no | 2.Text | N |
| DFO_MISC | means what features support booting DFO.<br>[dependency_relationship]: no | 2.Text | N |
| DFO_NVRAM_SET | DFO_NVRAM_SET describe what feature set support DFO.<br>[dependency_relationship]: no | 2.Text | N |

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|---|---|---|---|
| DISABLE_EARPIECE | support tablet some model does not have earpiece<br>[dependency_relationship]: no | 1.Yes/No | Y |
| ENCRY_PARTITION_SUPPORT | This feature is for LG encrypt partition<br>[dependency_relationship]: if MD Enable LGE_FW_COMMON,<br>__CUSTOMER_TC01_DISK__ Must Enalbe this feature option | 1.Yes/No | N |
| EVB | Identify the project is a EVB project or not.<br>[dependency_relationship]: no | 1.Yes/No | N |
| EVDO_DT_SUPPORT | To support EVDO+GSM (or TDD+CDMA) dual talk feature.<br><br>[dependency_relationship]: no | 1.Yes/No | N |
| EVDO_DT_VIA_SUPPORT | To support EVDO+GSM (or TDD+CDMA) dual talk feature, and use VIA CBP solution as CDMA modem.<br><br>[dependency_relationship]: no | 1.Yes/No | N |
| EVDO_IR_SUPPORT | It is for the China Telecom international roaming. If yes it will enable the IR feature otherwise disable the feature.<br><br>[dependency_relationship]: EVDO_DT_SUPPORT | 1.Yes/No | N/A |
| FEATURE_FTM_AUDIO_AUTOTEST | FEATURE_FTM_AUDIO_TEST = yes , means that factory mode  test copy factory audio test file (ringtone.wav) to system/res/sound ,=no means that factory mode use file in the custom/project<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| FEATURE_FTM_AUDIO_TEST | FEATURE_FTM_AUDIO_TEST = yes , means that factory mode  test copy factory audio test file(testpattern1.wav) to system/res/sound ,=no means that factory mode use file in the custom/project<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| FPGA_EARLY_PORTING | Used for FPGA early porting to separate code segments between FPGA platform and non-FPGA platform<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| GOOGLE_RELEASE_RIL | Distinguish the Google or MTK RIL implementation<br>[dependency_relationship]: no,(only used in generic) | 1.Yes/No | N/A |
| HAVE_AACENCODE_FEATURE | In Audio record,  Enable/disable AAC encode,<br><br>yes: enable<br><br>no:disable<br><br>[dependency_relationship]: if HAVE_AACENCODE_FEATURE set = yes, the MTK_SOUNDENCODER_APP must be set yes | 1.Yes/No | Y |
| HAVE_ADPCMENCODE_FEATURE | The two build options are used to control ADPCM Playback and ADPCM Record.<br><br>[dependency_relationship]: no | 1.Yes/No | Y |
| HAVE_AEE_FEATURE | AEE (Android Exception Engine) that designed by<br>Mediatek is an exception catching and debugging information generation mechanism.<br>It can collect and dump information to filesystem (/sdcard/mtklog/aee_exp) when fatel occur(E.g. kernel panic/android syst<br>[dependency_relationship]: no | 1.Yes/No | Y |
| HAVE_APPC_FEATURE | For audio post processing (Loudness) enable option<br>[dependency_relationship]: no | 1.Yes/No | Y |

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|---|---|---|---|
| HAVE_MATV_FEATURE | mATV feature control option which is used for swithing on/off mATV feature: switch on: HAVE_MATV_FEATURE = yes switch off: HAVE_MATV_FEATURE = no [dependency_relationship]: if HAVE_MATV_FEATURE = yes, the MTK_ATV_CHIP should be set as MTK_MT5192 or MTK_MT5193 | 1.Yes/No | Y |
| HAVE_SRSAUDIOEFFECT_FEATURE | Whether support SRS Audio Effect Feature or not [dependency_relationship]: no | 1.Yes/No | Y |
| HAVE_VORBISENC_FEATURE | In Audio record, Enable/disable VORBIS encode,<br><br>yes: enable<br><br>no: disable<br><br>[dependency_relationship]: no | 1.Yes/No | Y |
| HDMI_SUPPORT | enable HDMI function in KK1.MP5 Branch | 1.Yes/No | Y |
| HW_HAVE_TP_THREAD | yes: touch drvier use kernel thread to setup TP IC no: touch driver use direction method to setup TP IC [dependency_relationship]: no | 1.Yes/No | N/A |
| IS_VCORE_USE_6333VCORE | voice function yes : use 6333 function no : use 6323 function [dependency_relationship]: no | 1.Yes/No | N/A |
| IS_VM_USE_6333VM | voice function yes : use 6333 function no :use 6324 function [dependency_relationship]: no | 1.Yes/No | N/A |
| IS_VRF18_USE_6333VRF18 | Rename IS_82VCORE_USE_6333VCORE:yes : use 6333 function [dependency_relationship]: no | 1.Yes/No | N/A |
| KBUILD_OUTPUT_SUPPORT | If set this to yes, the files that generated in kernel build time will be at alps/kernel/out folder<br><br>[dependency_relationship]: no | 1.Yes/No | Y |
| LCM_FAKE_HEIGHT | Height of the screen, in order to test different resolution [dependency_relationship]: no | 3.Number | N/A |
| LCM_FAKE_WIDTH | Width of the screen, in order to test different resolution [dependency_relationship]: no | 3.Number | N/A |
| LCM_HEIGHT | To set LCM resolution height size [dependency_relationship]: if LCM_HEIGHT = 480, the LCM_WIDITH must be set as 320 if LCM_HEIGHT = 800, the LCM_WIDITH must be set as 480 | 2.Text | Y |
| LCM_WIDTH | To set LCM resolution width size [dependency_relationship]: if LCM_HEIGHT = 480, the LCM_WIDITH must be set as 320 if LCM_HEIGHT = 800, the LCM_WIDITH must be set as 480 | 2.Text | Y |
| LIGHT_NVRAM_DAEMON | some customer want to disable NVRAM_ACC/NVRAM_GYRO/NVRAM_PS function in nvram daemon | 1.Yes/No | Y |
| LINUX_KERNEL_VERSION | show linux kernel version<br><br>[dependency_relationship]: no | 2.Text | N |
| LOVELYFONTS_ICON_SHOW | Controlling whether to use the apk with a launcher icon. | 1.Yes/No | Y |
| LOVELYFONTS_SUPPORT | Controlling the font apk | 1.Yes/No | Y |
| MAXIM_SPEAKER_SUPPORT | When Set this MAXIM_SPEAKER_SUPPORT=yes it will enable SW speaker protection algorithm also need to use maxim speaker amp to enable speaker protection function. | 1.Yes/No | Y |
| MCUPM_FW_USE_PARTITION | Use to create a partition for MCUPM FW | 1.Yes/No | Y |

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|---|---|---|---|
| MD1_SIZE | modem 1 memory size.<br>[dependency_relationship]: no | 3.Number | N |
| MD1_SMEM_SIZE | modem 1 share memory size.<br>[dependency_relationship]: no | 3.Number | N |
| MD2_SIZE | modem 2 memory size.<br>[dependency_relationship]: no | 3.Number | N |
| MD2_SMEM_SIZE | modem 2 share memory size.<br>[dependency_relationship]: no | 3.Number | N |
| MD32_TOOLCHAIN_MODULE | Add MD32_TOOLCHAIN_MODULE to ProjectConfig.mk. Select which toolchain module is used to build MD32. Only MT6595 and MT6752 need it, other chips do not have MD32.<br>Setting value<br>MT6595: IPDesigner/12R1.35-64<br>MT6752: IPDesigner/12R2.36-64 | 2.Text | N |
| MD5_SIZE | Set MD5 MD image size<br>[dependency_relationship]: no | 3.Number | N/A |
| MD5_SMEM_SIZE | Set MD5 Share memory size<br>[dependency_relationship]: no | 3.Number | N/A |
| MICROTRUST_TEE_SUPPORT | TEEI is a secure OS developed by Microtrust company to support China mobile payment feature including ali-pay and union-pay. It is a trusted execution environment based on ARM trustzone technology providing isolation and protection from rich OS. | 1.Yes/No | Y |
| MNTL_SUPPORT | MTK NAND Translation Layer | 1.Yes/No | Y |
| MT6280_SUPER_DONGLE | For 8135 , MT6280_SUPER_DONGLE | 1.Yes/No | N/A |
| MTK_2IN1_SPK_SUPPORT | Support 2 in 1 SPK feature<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_2SDCARD_SWAP | swap internal/external sd mount points.<br>[dependency_relationship]: No | 1.Yes/No | Y |
| MTK_3GDONGLE_SUPPORT | This feature option depends on  whether this project has 3g dongle  function or not<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_AAL_SUPPORT | Decide whether to support ambient-light adpative backlight control and display visual enhancement<br><br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_AB_OTA_UPDATER | It is for A/B system update feature | 1.Yes/No | Y |
| MTK_ACAO_SUPPORT | To enable or disable ACAO feature | 1.Yes/No | N |
| MTK_ACDK_BUILD_DUMMY_ENG | To prevent Camera SMT test from being affected by upper SW layers. | 1.Yes/No | N |
| MTK_ACMT_DEBUG | For ACMT DEUG use [for AT&T tablet use]<br><br>[dependency_relationship]: AUTO_ADD_GLOBAL_DEFINE_BY_NAME = MTK_ACMT_DEBUG | 1.Yes/No | N |
| MTK_ACWFDIALOG_APP | [dependency_relationship]: | 2.Text | N/A |
| MTK_AEE_SUPPORT | trun on/off AEE feature | 1.Yes/No | Y |
| MTK_AFPSGO_FBT_GAME | FPSGO FBT/game kernel module | 1.Yes/No | N/A |
| MTK_AGPS_APP | It is a feature option to enable or disable the support of A-GPS (Assisted-GPS). A-GPS is a system which can improve the C-TTFF (Cold Time-to-First-Fix) of a GPS satellite-based positioning system.<br>[dependency_relationship]: if MTK_AGPS_APP = yes,  the MTK_GPS_SUPPORT must be set yes | 1.Yes/No | Y |

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| MTK_AIV_SUPPORT | This option is for AIV playback feature<br>[dependency_relationship]: If you want set MTK_AIV_SUPPORT as yes, please set MTK_DRM_PLAYREADY_SUPPORT as yes first.<br>Otherwise, the MTK_AIV_SUPPORT only can be set as no. | 1.Yes/No | N/A |
| MTK_ALARM_AWARE_UPLINK_SUPPORT | Support Low Power feature - alarm aware uplink | 4.Select | N |
| MTK_ALPS_BOX_DONGLE_SUPPORT | for box dongle | 1.Yes/No | Y |
| MTK_ALPS_BOX_SUPPORT | Android Box based on ALPS, which will share most c<br><br>ode with Tablet, so that we treat the BOX as a special feature of Tablet.<br><br><br>8127 BOX project will use this option to separate<br><br>others.<br><br><br>Add a line to alps/mediatek/config/common/ProjectC<br><br>onfig.mk<br><br>MTK_ALPS_BOX_SUPPORT = no<br><br><br>Add a line to alps/mediatek/build/tools/javaoption<br><br>.pm<br><br>MTK_ALPS_BOX_SUPPORT<br><br><br> Append MTK_ALPS_BOX_SUPPORT  to AUTO_ADD_GLOBAL_DEFINE_BY_NAME | 1.Yes/No | Y |
| MTK_ALPS_BOX_TVE_SUPPORT | cvbs / tve switch | 1.Yes/No | Y |
| MTK_ALPS_GATEWAY_AP_ROUTER_SUPPORT | for router UI feature option | 1.Yes/No | Y |
| MTK_ALPS_GATEWAY_SUPPORT | for gateway product feature option | 1.Yes/No | Y |
| MTK_ANDROID_FOR_WORK_SUPPORT | yes: enable android for work managed_users feature<br><br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_ANDROID_LOG_MUCH_COUNT | ??EPM????????FO???MTK?? | 3.Number | Y |
| MTK_ANT_SUPPORT | this option used to control ANT enable/disable | 1.Yes/No | Y |
| MTK_AOD_SUPPORT | Support Always On Display feature | 1.Yes/No | Y |
| MTK_API_CHECK | Decide if MediaTek SDK API hasn&apos;t broken (i.e. API signature list hasn&apos;t changed).<br>Note: For turkey releases, this is always set to &quot;yes&quot;.<br>[dependency_relationship]: no | 1.Yes/No | N |

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| MTK_APKINSTALLER_APP | Operator customized feature, for CU only. List all uninstalled APKs in SD card. When user click an item, install it.<br>[dependency_relationship]: if MTK_APKINSTALLER_APP set yes, the OPTR_SPEC_SEG_DEF must be set OP02_SPEC0200_SEGA | 1.Yes/No | N/A |
| MTK_APPENDED_DTB_SUPPORT | Build a concatenated zImage-dtb | 1.Yes/No | N |
| MTK_APP_GUIDE | Enable / disable Application guide<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_AP_SPEECH_ENHANCEMENT | speech enhancement in AP side function  enable Flag<br>[dependency_relationship]: No<br>When MTK_AP_SPEECH_ENHANCEMENT=yes, Enable AP side speech enhancement<br>When MTK_AP_SPEECH_ENHANCEMENT=no, Disable AP side speech enhancement and use modem side speech enhancement<br>This feature option is not using on 82 and after 82 | 1.Yes/No | Y |
| MTK_ASD_SUPPORT | Auto Scene Detection (ASD) project aims at detecting the scene type of the surrounding<br>environment in a fully automatic manner so that the imaging system could take corresponding<br> actions to produce images of better qualities.<br>[dependency_relationship]: no | 1.Yes/No | N |
| MTK_ASR_SUPPORT | Automatic Speech Recognition support<br>[dependency_relationship]: MTK_DUAL_MIC_SUPPORT=yes | 1.Yes/No | Y |
| MTK_ATCI_EM_SUPPORT | Enable ATCI in the engineering mode. | 1.Yes/No | Y |
| MTK_ATF_BOOT_OPTION | This is used to define which mode ATF should set for next boot-loaders which are LK and Kernel.<br><br>MTK_ATF_BOOT_OPTION=0 (Common projects default value)<br><br> - Set &quot;bootopt=64S3,32S1,32S1&quot; for kernel cmdline<br><br>MTK_ATF_BOOT_OPTION=1 (ATF & TEE projects)<br><br> - Set &quot;bootopt=64S3,32N2,32N2&quot; for kernel cmdline<br><br>MTK_ATF_BOOT_OPTION=2 (A64/K64 projects)<br><br> - Set &quot;bootopt=64S3,32N2,64N2&quot; for kernel cmdline | 3.Number | Y |
| MTK_ATF_SUPPORT | This option is used to indicate if ARMv8 ARM trusted firmware is support or not. | 1.Yes/No | Y |
| MTK_ATV_CHIP | mATV chip select option: but MTK_MT5192 is only support on mt6516 platform<br>[dependency_relationship]: please reference CUSTOM_KERNEL_MATV | 2.Text | Y |
| MTK_AUDENH_SUPPORT | description =yes: UI can show "AudEnh" , The system can enhance headset audio effect.<br> User can decide to enable or disable this function.<br>[dependency_relationship]: no | 1.Yes/No | N |
| MTK_AUDIO | Enable MTK modifications for audio framework, hardware, and all related native part<br>The option is configed to AUTO_ADD_GLOBAL_DEFINE_BY_VALUE | 1.Yes/No | N |
| MTK_AUDIO_ADPCM_SUPPORT | The two build options are used to control ADPCM Playback and ADPCM Record.<br>[dependency_relationship]: no | 1.Yes/No | Y |

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| MTK_AUDIO_ALAC_SUPPORT | Used to control support alac playback | 1.Yes/No | Y |
| MTK_AUDIO_APE_SUPPORT | Ape feature control option which is used for switch audio APE format playback: switch on: MTK_AUDIO_APE_SUPPORT = yes switch off: MTK_AUDIO_APE_SUPPORT = no [dependency_relationship]: no | 1.Yes/No | N |
| MTK_AUDIO_BLOUD_CUSTOMPARAMETER_REV | Decide Loudness libaray reversion. Support V3,V4,and V5 version MTK_AUDIO_BLOUD_CUSTOMPARAMETER_V5: Use V5 version lib MTK_AUDIO_BLOUD_CUSTOMPARAMETER_V4: Use V4 version lib MTK_AUDIO_BLOUD_CUSTOMPARAMETER_V3: Use V3 version lib The V5 is the latest version [dependency_relationship]: no | 4.Select | N |
| MTK_AUDIO_CHANGE_SUPPORT | Yes: audio change feature is enabled No: audio change feature is disabled [dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_AUDIO_CODEC_SUPPORT_TABLET | if the feature option is yes, we will support ape, alac,mp2 ... audio codecs in media_codecs.xml | 1.Yes/No | N |
| MTK_AUDIO_DDPLUS_SUPPORT | Enable Dolby Digital Plus Decoder [dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_AUDIO_EXTCODEC_SUPPORT | enable/disable external audio DAC feature support | 1.Yes/No | N/A |
| MTK_AUDIO_GAIN_TABLE_SUPPORT | This is MUSE specific feature. So need to add to MUSE project. The project name is &quot;muse_s1_kk&quot;. | 1.Yes/No | Y |
| MTK_AUDIO_HD_REC_SUPPORT | Provide High Qualtiy Audio Record [dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_AUDIO_HYBRID_DRE_SUPPORT | Enhance audio playback dynamic range with software and hardware hybrid design | 1.Yes/No | N |
| MTK_AUDIO_HYBRID_NLE_SUPPORT | Enhance audio playback noise level with software and hardware hybrid design | 1.Yes/No | N |
| MTK_AUDIO_MIC_INVERSE | Denali internal phone mic connection inverse, we got to set MTK_AUDIO_MIC_INVERSE = true in internal phone project, but in customer project should be MTK_AUDIO_MIC_INVERSE= false | 1.Yes/No | Y |
| MTK_AUDIO_NUMBER_OF_MIC | define the number of mic on phone | 4.Select | N/A |
| MTK_AUDIO_NUMBER_OF_SPEAKER | define speaker number used in every project. | 3.Number | Y |
| MTK_AUDIO_RAW_SUPPORT | yes: Pass MTK PCM Component no: Not Pass MTK PCM Component [dependency_relationship]: no | 1.Yes/No | Y |
| MTK_AUDIO_SPEAKER_PATH | Different project may have different speaker path. | 4.Select | Y |
| MTK_AUDIO_TUNING_TOOL_VERSION | Support Audio Tuning Tool version 2.0, including hierarchical audio parmeters with XML format. | 2.Text | N |

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| MTK_AUDIO_TUNNELING_SUPPORT | MTK_AUDIO_TUNNELING_SUPPORT = yes<br>--> support audio tunneling mode, bitstream can be written to output stream directly<br>mp3 playback use tunneling path default, but when effect is on or audio SRAM is occupied,<br>it use original pcm path<br><br>MTK_AUDIO_TUNNELING_SUPPORT = no<br>only pcm data can be written to output stream<br>mp3 playback always use the pcm data path | 1.Yes/No | Y |
| MTK_AURISYS_FRAMEWORK_SUPPORT | Aurisys is introduced to facilitate the sound processing solution development and use of MTK platforms. Aurisys is a framework constructed upon Android Audio Framework. It includes standardized interfaces for sound processing and tuning, integrated DSP sound subsystem, and software debug interface.<br>Our target is to make the replacement/integration of vendor IPs as convenient as possible. We defined a standardized interface to which is platform-independent, so that the software can be re-used | 1.Yes/No | Y |
| MTK_AURISYS_PHONE_CALL_SUPPORT | The requirement for sound quality enhancements that add listening pleasure has been increasing.<br>To enrich the listening experience of using mobile devices, there is an increasing number of sound processing solutions provided by vendors. Aurisys is introduced to facilitate the sound processing solution development and use of MTK platforms.<br><br>This option is used to specify if we support Aurisys(vendor's sound processing IP integration, such as noise reductions) in phone call scenario. | 1.Yes/No | Y |
| MTK_AUTOIP_SUPPORT | Enable/disable auto ip feature.<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_AUTORAMA_SUPPORT | It can capture panorama picture. We will take maximum 9 pictures merge to one panorama image (for before ROME porject)<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_AUTO_DETECT_ACCELEROMETER | one load to support different accelerometer sensor<br>[dependency_relationship]: no | 1.Yes/No | N |
| MTK_AUTO_DETECT_ALSPS | This feature Option is used for projects which using more than one ALSPS sensors, more than one ALSPS drivers can be builded in to project and be auto detected by setting this option to yes in the projectconfig.mk<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_AUTO_DETECT_MAGNETOMETER | one load to support different magnetometer sensor<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_AUTO_SANITY | Turn on to build auto sanity test cases; Turn off to prevent build auto sanity test cases<br>[dependency_relationship]: | 1.Yes/No | N/A |
| MTK_AVI_PLAYBACK_SUPPORT | use to enable/disable AVI playback feature. But, AVI is a default feature in ICS, we will use<br>this macro to switch android AVI and MTK AVI, yes(default) => MTK AVI, no => Android AVI<br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_AWS_SUPPORT | Feature option for AppWorkingSet feature | 1.Yes/No | N/A |
| MTK_BASIC_PACKAGE | use this feature option to determine current project is basic or not | 1.Yes/No | N |
| MTK_BATLOWV_NO_PANEL_ON_EARLY | Not enable display when power on with low battery<br>[dependency_relationship]: no | 1.Yes/No | N/A |

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| MTK_BATTERY_PROTECT | For battery protect in low battery.<br>Yes to enable protect<br>No to disable protect | 1.Yes/No | Y |
| MTK_BEAM_PLUS_SUPPORT | Enable or disable Beam Plus.<br><br>[dependency_relationship]: MTK_BEAM_PLUS_SUPPORT=yes depends on MTK_NFC_SUPPORT=yes | 1.Yes/No | Y |
| MTK_BESLOUDNESS_RUN_WITH_HAL | Run Besloundness process on Audio HAL or not | 1.Yes/No | N/A |
| MTK_BESLOUDNESS_SUPPORT | Support Besloundness UI or not in Setting/AudioPorfile Page<br>common : MTK_BESLOUDNESS_SUPPORT = no<br>mt6592 : MTK_BESLOUDNESS_SUPPORT = yes | 2.Text | N/A |
| MTK_BESSURROUND_SUPPORT | Yes: audio change feature is enabled<br>No: audio change feature is disabled<br>[dependency_relationship]: no | 1.Yes/No | N |
| MTK_BG_POWER_SAVING_SUPPORT | MTK_BG_POWER_SAVING_SUPPORT = yes means support background power saving feature<br><br>MTK_BG_POWER_SAVING_SUPPORT = no means not support background power saving feature | 1.Yes/No | N |
| MTK_BG_POWER_SAVING_UI_SUPPORT | MTK_BG_POWER_SAVING_UI_SUPPORT = yes meas support power saving with UI<br><br>MTK_BG_POWER_SAVING_UI_SUPPORT = no means support power saving without UI | 1.Yes/No | N |
| MTK_BIP_SCWS | Support SIM Toolkit BIP TCP client/server mode and also multiple channel for OMA SCWS<br><br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_BLULIGHT_DEFENDER_SUPPORT | yes: support BluLight Defender<br>no: no BluLight Defender. | 1.Yes/No | Y |
| MTK_BOX_AUDIO_DDPLUS_SUPPORT | Enable Dolby Digital Plus Decoder of android box<br>[dependency_relationship]: no<br><br>Feature Option Value<br>[Yes]Enable Dolby Ditiital Plus Decoder of android box<br>[No] Disable Dolby Digital Plus Decoder of android box | 1.Yes/No | N/A |
| MTK_BOX_CAM_SUPPORT | add usb camera FO to distinguish tablet mipi camera | 1.Yes/No | Y |
| MTK_BQ24156_SUPPORT | BQ24156 charger IC support<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_BQ24157_SUPPORT | Use bq24157 or not | 1.Yes/No | Y |
| MTK_BQ24158_SUPPORT | add MTK_BQ24158_SUPPORT to ProjectConfig.mk<br>default off<br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_BQ24160_SUPPORT | External switching charger for ROME E1 | 1.Yes/No | N/A |
| MTK_BQ24196_SUPPORT | BQ24196 charger IC support<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_BQ24261_SUPPORT | BQ24261 charger IC support | 1.Yes/No | N/A |
| MTK_BQ24296_SUPPORT | BQ24296 charger IC support<br>Yes to support bq24296<br>No to not support bq24296 | 1.Yes/No | Y |
| MTK_BQ24297_SUPPORT | BQ24297 charger IC support<br>[dependency_relationship]: no | 1.Yes/No | N/A |

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| MTK_BQ27541_SUPPORT | yes : support TI bq27541 external gauge IC<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_BRANCH | Define MTK branch(internal use only)<br>[dependency_relationship]: no | 2.Text | N |
| MTK_BRAZIL_CUSTOMIZATION | Enable Brazil operator common requirements<br>[dependency_relationship]: When MTK_BRAZIL_CUSTOMIZATION is no,<br>MTK_BRAZIL_CUSTOMIZATION_TIM is no | 1.Yes/No | Y |
| MTK_BRAZIL_CUSTOMIZATION_CLARO | Enable Claro operator requirements<br>[dependency_relationship]: When MTK_BRAZIL_CUSTOMIZATION is no,<br>MTK_BRAZIL_CUSTOMIZATION_CLARO is no | 1.Yes/No | Y |
| MTK_BRAZIL_CUSTOMIZATION_TIM | Enable TIM operator requirements<br>[dependency_relationship]: When MTK_BRAZIL_CUSTOMIZATION is no,<br>MTK_BRAZIL_CUSTOMIZATION_TIM is no | 1.Yes/No | Y |
| MTK_BRAZIL_CUSTOMIZATION_VIVO | Enable VIVO operator requirements<br>[dependency_relationship]: When MTK_BRAZIL_CUSTOMIZATION is no,<br>MTK_BRAZIL_CUSTOMIZATION_VIVO is no | 1.Yes/No | Y |
| MTK_BSP_PACKAGE | support BSP package<br>[dependency_relationship]: no | 1.Yes/No | N |
| MTK_BTLOGGER_SUPPORT | set feature option for customer user load release | 1.Yes/No | Y |
| MTK_BT_21_SUPPORT | When this option set to yes, the Bluetooth stack will comply to Bluetooth Sepc 2.1 (BR/EDR).<br>[dependency_relationship]: if MTK_BT_21_SUPPORT = yes, the MTK_BT_SUPPORT must be set as yes | 1.Yes/No | N |
| MTK_BT_30_HS_SUPPORT | if it is set to yes: Support Bluetooth 3.0 High Speed if it is set to No: Does not support Bluetooth 3.0 High Speed<br>[dependency_relationship]: if MTK_BT_30_HS_SUPPORT = yes, the MTK_BT_SUPPORT and MTK_WLAN_SUPPORT must be set yes | 1.Yes/No | Y |
| MTK_BT_30_SUPPORT | When this option set to yes, the Bluetooth stack will comply to Bluetooth Sepc 3.0 (no High Speed).<br>[dependency_relationship]: if MTK_BT_30_SUPPORT = yes, the MTK_BT_SUPPORT must be set as yes | 1.Yes/No | Y |
| MTK_BT_40_LE_STANDALONE | This feature option means to enable/disable BLE standlone. In Standlone mode, BR/EDR will be disabled.<br>[dependency_relationship]: no | 1.Yes/No | N |
| MTK_BT_40_SUPPORT | When this option set to yes, the Bluetooth stack will comply to Bluetooth Sepc 4.0 (Low Energy).<br>[dependency_relationship]: if MTK_BT_40_SUPPORT = yes, the MTK_BT_SUPPORT must be set as yes | 1.Yes/No | Y |
| MTK_BT_AVRCP_TG_APP_SETTINGS_SUPPORT | Android O BT AVRCP Application Settings feature option. | 1.Yes/No | Y |
| MTK_BT_AVRCP_TG_MULTI_PLAYER_SUPPORT | Android O BT AVRCP Multi Player feature option. When this feature enabled load will support Multi Player. This feature will only be enabled on tee load. | 1.Yes/No | Y |
| MTK_BT_BLUEDROID_A2DP_APTX | Extend MTK bluedroid A2DP APTX codec for customer requirement. | 1.Yes/No | Y |
| MTK_BT_BLUEDROID_AVRCP_TG_15 | use the feature option to switch on/off the support of bluetooth profile avrcp 1.5 version TG role | 1.Yes/No | Y |
| MTK_BT_BLUEDROID_AVRCP_TG_16 | use the feature option to switch on/off the support of bluetooth profile avrcp 1.6 version TG role | 1.Yes/No | Y |
| MTK_BT_BLUEDROID_DUN_GW_12 | Option to switch on/off DUN profile service.<br>Profile : Dial-up Network<br>Version : 1.2<br>Role : Gateway | 1.Yes/No | Y |
| MTK_BT_BLUEDROID_HFP_AG_17 | Feature option for BT HFP version 1.7 feature | 1.Yes/No | Y |
| MTK_BT_BLUEDROID_PLUS | use this feature option to switch on/off all bluetooth mediatek plus feature | 1.Yes/No | Y |

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| MTK_BT_CHIP | Bluetooth chip type<br><br>[dependency_relationship]: if MTK_BT_SUPPORT is set to yes, MTK_BT_CHIP can not be null;<br><br>if MTK_COMBO_SUPPORT is set to yes, MTK_BT_CHIP can not be MTK_MT6622 or MTK_MT6626. | 2.Text | Y |
| MTK_BT_CUSTOM | define some bluetooth features for non-phone product,such as tablet ,box. | 1.Yes/No | Y |
| MTK_BT_FM_OVER_BT_VIA_CONTROLLER | When this option set to yes, the "FM over Bluetooth (A2DP)" feature will be enabled.<br>[dependency_relationship]: if MTK_BT_FM_OVER_BT_VIA_CONTROLLER = yes, the MTK_BT_SUPPORT must be set as yes | 1.Yes/No | Y |
| MTK_BT_HOST_SNOOP_LOG_SUPPORT | 1. Use this feature to control MTK host snoop log functions built-in.<br>2. Due to current security problem. Add this feature for customer to remove daemon on end user load.<br>3. Default value is yes | 1.Yes/No | Y |
| MTK_BT_I2S_SUPPORT | When BT Chip connects with Audio HW by an I2S interface (Inter IC Sound), please enable this option.<br><br>BT Chip needs to load specific parameters from NvRam when I2S config enables between BT and Audio HW<br><br>The option is configed to AUTO_ADD_GLOBAL_DEFINE_BY_NAME | 1.Yes/No | N |
| MTK_BT_INTEROP_EXTENSION | ????MTK Bluetooth ???????????? IOT list feature????google ???????? | 1.Yes/No | Y |
| MTK_BT_POWER_EFFICIENCY_ENHANCEMENT | yes: enable power saving no: disable power saving<br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_BT_PROFILE_A2DP_SINK | On Android L, A2DP sink is not support default, only there is some source code.<br>Now, some car customer need this feature.<br>we need implement it, and does not effect original function. | 1.Yes/No | N/A |
| MTK_BT_PROFILE_BIP | When this option set to yes, the Bluetooth "Basic Imaging Profile" (BIP) will be enabled.<br>[dependency_relationship]: if MTK_BT_PROFILE_BIP = yes, the MTK_BT_SUPPORT must be set as yes | 2.Text | Y |
| MTK_BT_PROFILE_BPP | When this option set to yes, the Bluetooth "Basic Printing Profile" (BPP) will be enabled.<br>[dependency_relationship]: MTK_BT_PROFILE_BPP= yes, the MTK_BT_SUPPORT must be set as yes | 2.Text | Y |
| MTK_BT_PROFILE_DUN | When this option set to yes, the Bluetooth "Dial-Up Networking Profile" (DUN) will be enabled.<br>[dependency_relationship]: if MTK_BT_PROFILE_DUN = yes, the MTK_BT_SUPPORT must be set as yes | 2.Text | Y |
| MTK_BT_PROFILE_FTP | When this option set to yes, the Bluetooth "File Transfer Profile" (FTP) will be enabled.<br>[dependency_relationship]: if MTK_BT_PROFILE_FTP = yes, the MTK_BT_SUPPORT must be set as yes | 2.Text | Y |
| MTK_BT_PROFILE_HFP_CLIENT | On Android L, hfp client is not support default, only there is some source code.<br>Now, some car customer need this feature.<br>we need implement it, and does not effect original function. | 1.Yes/No | N/A |

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| MTK_BT_PROFILE_MAPC | When this option set to yes, the Bluetooth "Message Access Profile - Client Role" (MAPC) will be enabled.<br>[dependency_relationship]: if MTK_BT_PROFILE_MAPC = yes, the MTK_BT_SUPPORT must be set as yes | 2.Text | Y |
| MTK_BT_PROFILE_MAPS | When this option set to yes, the Bluetooth "Message Access Profile - Server Role" (MAPS) will be enabled.<br>[dependency_relationship]: if MTK_BT_PROFILE_MAPS = yes, the MTK_BT_SUPPORT must be set as yes | 2.Text | Y |
| MTK_BT_PROFILE_PRXM | When this option set to yes, the Bluetooth Low Energy "Proximity Profile - Monitor Role" (PRXM) will be enabled.<br>[dependency_relationship]: if MTK_BT_PROFILE_PRXM = yes, the MTK_BT_SUPPORT and MTK_BT_40_SUPPORT must be set as yes | 2.Text | Y |
| MTK_BT_PROFILE_PRXR | When this option set to yes, the Bluetooth Low Energy "Proximity Profile - Reporter Role" (PRXR) will be enabled.<br>[dependency_relationship]: if MTK_BT_PROFILE_PRXR = yes, the MTK_BT_SUPPORT and MTK_BT_40_SUPPORT must be set as yes | 2.Text | Y |
| MTK_BT_PROFILE_SIMAP | When this option set to yes, the Bluetooth "SIM Access Profile" (SIMAP) will be enabled.<br>[dependency_relationship]: if MTK_BT_PROFILE_SIMAP = yes, the MTK_BT_SUPPORT must be set as yes | 2.Text | Y |
| MTK_BT_SUPPORT | When this option set to yes, the MTK Bluetooth solution will be included.<br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_BT_WIFI_COEX_RADIO_MODIFY | support use config file to modify BT/WIFI radio | 1.Yes/No | Y |
| MTK_BUFFER_COMPRESSION_SUPPORT | add the in-house GPU buffer compression(i.e. UFO) feature | 1.Yes/No | N |
| MTK_BUILD_VERNO | Define software version<br>[dependency_relationship]: no | 2.Text | N |
| MTK_BWC_SUPPORT | This is for control mm memory bandwidth limiter setting.<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_C2K_LTE_MODE | MTK_C2K_LTE_SUPPORT??option?persist.radio.c2k_lte_support?????<br>0?None<br>1?SVLTE<br>2?SRLTE | 4.Select | Y |
| MTK_CACHE_MERGE_SUPPORT | MTK_CACHE_MERGE_SUPPORT = "yes" means enable cache merge feature and "no" disable.<br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_CALENDAR_IMPORTER_APP | An calendar event importer to enable sharing events via Bluetooth.<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_CAMCORDER_PROFILE_MID_MP4 | Encode camcorder output file with MP4 encoder<br>[dependency_relationship]: no | 1.Yes/No | N |
| MTK_CAMERA_APP_VERSION | If 0, using aosp camera app on current platform.<br>If 1, using mtk legacy camera app on current platform.<br>If 2, using mtk new camera app on current platform. | 3.Number | N/A |
| MTK_CAM_ADV_CAM_SUPPORT | yes : Support Advanced Camera API<br>no : NOT Support Advanced Camera API | 1.Yes/No | N |
| MTK_CAM_ASD_SUPPORT | MTK_ASD_SUPPORT=yes //Enable ASD feature<br>MTK_ASD_SUPPORT=no //Disable ASD feature<br>[dependency_relationship]: no | 1.Yes/No | N/A |

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| MTK_CAM_AUTORAMA_SUPPORT | It can capture panorama picture. We will take maximum 9 pictures merge to one panorama image<br>[dependency_relationship]: no<br>if (MTK_LCA_RAM_OPTIMIZE=yes)<br>   MTK_CAM_AUTORAMA_SUPPORT = no<br>else<br>   MTK_CAM_AUTORAMA_SUPPORT = yes<br>endif | 1.Yes/No | N/A |
| MTK_CAM_CONTINUOUS_SHOT_MODE | MTK camera continuous shot feature. | 4.Select | Y |
| MTK_CAM_DEPTH_AF_SUPPORT | Enable/disable Depth-based AF. | 1.Yes/No | Y |
| MTK_CAM_DLFD_SUPPORT | support deep learning FD or not | 1.Yes/No | N/A |
| MTK_CAM_DUALPD_SUPPORT | camera dual pdaf support option | 1.Yes/No | Y |
| MTK_CAM_DUAL_ZOOM_FUSION_SUPPORT | Enable 3rd party Fusion Algorithm | 1.Yes/No | N |
| MTK_CAM_DUAL_ZOOM_MTK_FOV_SUPPORT | MTK FOV Algorithm for Dual Cam Zoom | 1.Yes/No | N |
| MTK_CAM_DUAL_ZOOM_SUPPORT | Dual cam zoom feature (Wide/Tele) | 1.Yes/No | N |
| MTK_CAM_DUAL_ZOOM_VENDOR_FOV_SUPPORT | Enable 3rd party Stream FOV Algorithm | 1.Yes/No | N |
| MTK_CAM_EIS_SUPPORT | To enable/disable camera feature EIS | 1.Yes/No | Y |
| MTK_CAM_FACEBEAUTY_SUPPORT | [Basic Description]<br>Camera capture face beautification function.<br>[More Detail]<br>Wrinkle removal, skin color, small face and eye enlargement on detected faces.<br>[Software - Limitation and Dependency]<br>None<br>[Hardware - Limitation and Dependency]<br>None | 1.Yes/No | Y |
| MTK_CAM_FD_SUPPORT | MTK_CAM_FD_SUPPORT=yes //Enable Face Detection feature<br>MTK_CAM_FD_SUPPORT=no //Disable Face Detection feature<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_CAM_HDR_DETECTION_MODE | used to configure HDR detection mode<br>0: HDR detection is not supported<br>1: HDR detection supports HDR sensors<br>2: HDR detection supports generic sensors<br>3: HDR detection supports HDR and generic sensors | 4.Select | Y |
| MTK_CAM_HDR_SUPPORT | enable hdr or not | 1.Yes/No | Y |
| MTK_CAM_IMAGE_REFOCUS_SUPPORT | Feature option for camera feature - Image Refocus, no/yes | 4.Select | N/A |
| MTK_CAM_LOMO_SUPPORT | Enable/Disable camera Lomo effect<br><br>1. Branch : KK & KK0.MT6595.SB.DEV<br><br>2. Add MTK_CAM_LOMO_SUPPORT=no and add it into AUTO_ADD_GLOBAL_DEFINE_BY_NAME list in alps/mediatek/config/common/ProjectConfig.mk.<br><br>3. Add MTK_CAM_LOMO_SUPPORT=yes in alps/mediatek/config/mt6595/ProjectConfig.mk. | 1.Yes/No | Y |
| MTK_CAM_MAX_NUMBER_OF_CAMERA | ????????sensor | 3.Number | Y |
| MTK_CAM_MFB_BUILDIN_SUPPORT | To make MFNR default on in Normal Capture. | 3.Number | Y |
| MTK_CAM_MFB_SUPPORT | support Multi-Frame Low Light (MFLL) or Anti-shaking (AIS) | 4.Select | Y |

| | | | |
|---|---|---|---|
| MTK_CAM_MMSDK_SUPPORT | For basic camera function to support SDK API for 3rd party APK using<br>MTK_CAM_MMSDK_SUPPORT = yes //support MMSDK API<br>MTK_CAM_MMSDK_SUPPORT = no // not support MMSDK API | 1.Yes/No | Y |
| MTK_CAM_NATIVE_PIP_SUPPORT | Enable/disable Native PIP | 1.Yes/No | Y |
| MTK_CAM_NR3D_SUPPORT | Enable/disable 3DNR. | 1.Yes/No | Y |
| MTK_CAM_PDO_TEST_ENABLE | option for internal QC | 1.Yes/No | Y |
| MTK_CAM_PORTRAIT_SUPPORT | support portrait detection or not | 1.Yes/No | N/A |
| MTK_CAM_SINGLE_3DSHOT_SUPPORT | Control snigle cam 3d capture support or not<br>[dependency_relationship]: No | 1.Yes/No | N/A |
| MTK_CAM_STEREO_CAMERA_FACING | In order to distinguish stereo camera facing bewteen front and back.<br><br>We need a compiler option to decide stereo camera facing in this platform. | 4.Select | Y |
| MTK_CAM_STEREO_CAMERA_SUPPORT | Enable/Disable &quot;Stereo Camera&quot; feature. | 1.Yes/No | Y |
| MTK_CAM_STEREO_DENOISE_SUPPORT | This option can control camera hal denoise feature on/off, but the sensor must be bayer+mono combination. | 1.Yes/No | Y |
| MTK_CAM_SW_VERSION | For different camera SW version need separate  in special situations<br>ex. in MT6757, camera need to know it is kibo or kibo+<br>ver1: camera sw version 1<br>ver2: camera sw version 2<br>ver3: camera sw version 3<br>ver4: camera sw version 4 | 4.Select | N |
| MTK_CAM_USER_DBG_LOG_OFF | ??????camera user debug load log?????performance???<br>?feature option ??????camera user debug load log??user load ?? | 1.Yes/No | Y |
| MTK_CAM_VHDR_SUPPORT | To enable/disable camera feature : video HDR | 1.Yes/No | Y |
| MTK_CAM_VIDEO_FACEBEAUTY_SUPPORT | [Basic Description]<br>Camera preview and video record face beautification function.<br>[More Detail]<br>Normal mode: wrinkle removal and skin color on multiple faces.<br>Extreme mode: wrinkle removal, skin color, small face and eye enlargement on single (selected) face.<br>Max resolution: 1080p.<br>Video Snapshot size: same as video size.<br>[Software - Limitation and Dependency]<br>None<br>[Hardware - Limitation and Dependency]<br>Only on platforms that supports VFB, e.g. Rome. | 1.Yes/No | Y |
| MTK_CAM_VSDOF_SUPPORT | It&apos;s for new feature, Video Shallow DoF. | 1.Yes/No | Y |
| MTK_CAM_VSS_SUPPORT | Use this option to enable/disable VSS feature.<br>[dependency_relationship]: No | 1.Yes/No | Y |
| MTK_CAM_ZSDHDR_SUPPORT | Enable HDR on ZSD mode or not | 1.Yes/No | Y |
| MTK_CAM_ZSDMFB_SUPPORT | support Multi-Frame Low Light (MFLL) or Anti-shaking (AIS) in ZSD mode. | 1.Yes/No | Y |
| MTK_CAM_ZSD_SUPPORT | Use this option to enable/disable ZSD feature.<br>[dependency_relationship]: No | 1.Yes/No | Y |
| MTK_CARRIEREXPRESS_APK_INSTALL_SUPPORT | this feature option is used to control the install/uninstall feature for carrierexpress pack | 1.Yes/No | Y |
| MTK_CARRIEREXPRESS_PACK | This feature option will be used for regional carrierexpress pack. This feature option will be used to specify the region that is currently supported, If no region is specified then the is not supported | 4.Select | Y |
| MTK_CARRIEREXPRESS_SWITCH_MODE | This feature option will be used for carrierexpress pack feature to decide the how to configure the phone | 3.Number | Y |
| MTK_CC33_SUPPORT | The option is used to check if the clear code 33 (CC33) feature is supported | 1.Yes/No | Y |

| | | | |
|---|---|---|---|
| MTK_CDS_EM_SUPPORT | MTK_CDS_EM_SUPPORT is used to be decided to enable CDS_INFO apps in the SW package.<br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_CHAMELEON_DISPLAY_SUPPORT | Yes: support Chameleon Display<br>No: no Chameleon Display. | 1.Yes/No | Y |
| MTK_CHARM_SUPPORT | Open Computing Language (OpenCL) is a framework for<br><br>writing programs that execute across heterogeneous<br><br>platforms consisting of central processing units (CPUs),<br><br>graphics processing units (GPUs).<br><br><br>CHARM is OpenCL framework for CPU. It leverages NEON<br><br>coprocessor to boost performance for tasks dispatched<br><br>to CPU. DS(Dynamic Scheduling) is the module to dispatch<br><br>jobs to CPU or GPU according to the job loading.<br><br><br>[dependency_relationship]: no | 1.Yes/No | N |
| MTK_CHIPTEST_INT | This option is defined for TDD CMCC chip test load prepare. Internal Use.<br>When prepare for cmcc chip test load please set MTK_CHIPTEST_INT=yes<br>Otherwise set MTK_CHIPTEST_INT=no.<br>Default set MTK_CHIPTEST_INT=no<br><br>[dependency_relationship]:<br>MTK_USER_ROOT_SWITCH: this is another part of cmcc chip test prepare. when prepare cmcc chip test load MTK_USER_ROOT_SWITCH should be set to yes also.<br>MTK_USER_ROOT_SWITCH can be used by customer for customer cmcc product official test. | 1.Yes/No | N/A |
| MTK_CHIP_VER | Define hardware chip version<br>[dependency_relationship]: no,can not be modify ,not used any more need to phase out | 2.Text | N/A |
| MTK_CHIP_VERSION | For chip version recognize, usually not use if no ECO.<br>default value: 0<br>ex:<br>0 = E1<br>1 = E2<br>... | 3.Number | N |
| MTK_CHKIMGSIZE_SUPPORT | Decide whether to support mtk image size  check<br>[dependency_relationship]: No | 1.Yes/No | Y |
| MTK_CIP_SUPPORT | this feature is used to pack customization contents to<br> a specific partition named 'Custom Image Partition' | 1.Yes/No | N/A |
| MTK_CLEARMOTION_SUPPORT | This option is for ClearMotion feature | 1.Yes/No | N/A |

| Feature | Description | Type | Value |
|---|---|---|---|
| MTK_CMAS_SUPPORT | support CMAS or ETWS spec defined by ATTI<br><br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_CMCC_FT_PRECHECK_SUPPORT | CMCC FT Pre-Check tool complie option.<br>This tool is used for automatically checking the conditions that CMCC FT cases concern. | 1.Yes/No | Y |
| MTK_COMBO_CHIP | this feature is used to identify combo chip version or SOC chip consys version. | 4.Select | Y |
| MTK_COMBO_NAND_SUPPORT | To support different NAND page size on the same load<br>[dependency_relationship]: MTK_COMBO_NAND_SUPPORT only could be &quot;yes&quot; when &quot;MTK_EMMC_SUPPORT = no&quot;. | 1.Yes/No | Y |
| MTK_COMBO_PSM_RX_TH | Combo chip PSM (quick sleep mechanism) Rx threshold value<br>[dependency_relationship]: no | 2.Text | N |
| MTK_COMBO_PSM_TX_TH | Combo chip PSM (quick sleep mechanism) mechanism Tx threshold value<br>[dependency_relationship]: no | 2.Text | N |
| MTK_COMBO_SUPPORT | used to describe whether WCN combo chip(MT6620/MT6628/MT6629,etc.) or SOC chip consys is supported or not<br><br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_CONCAT_SMS_WAIT_SUPPORT | To control MTK long SMS waiting time customization.<br>If yes, will apply long SMS waiting mechanism.<br>If no, will apply AOSP mechanism that wait all long SMS segments to notify to APP. | 1.Yes/No | Y |
| MTK_CONSUMER_PARTIAL_UPDATE_SUPPORT | display partial upate feature on/off option<br>feature FMS ID:ALFMS00745465 | 1.Yes/No | N |
| MTK_CPU | Indicate uboot what kind of cpu this platform use<br>[dependency_relationship]: no | 2.Text | N/A |
| MTK_CROSSMOUNT_MULTI_CH_SUPPORT | MTK Multi-Channel Sound by CrossMount feature support. (ALFMS00727736 ) | 1.Yes/No | Y |
| MTK_CROSSMOUNT_SUPPORT | Feature Option for CrossMount | 1.Yes/No | N |
| MTK_CSD_DIALER_SUPPORT | only in mt6582lte_phone_qhdv2[512] project, MTK_CSD_DIALER_SUPPORT=yes<br>in other projects, MTK_CSD_DIALER_SUPPORT=no<br><br>MD and AP dependency is needed:<br>1. when __CSD_NT__ is on, MTK_CSD_DAILER_SUPPORT=yes<br>2. when __CSD_NT__ is off, MTK_CSD_DAILER_SUPPORT=no | 1.Yes/No | Y |
| MTK_CT4GREG_APP | This feature option is used to control CT 4G device register app build. | 1.Yes/No | Y |
| MTK_CTA_SET | Enable CTA ECC Number Set requirements<br>If china market target product, need configure as MTK_CTA_SET=yes.<br>If not, need configure as MTK_CTA_SET=no.<br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_CTA_SUPPORT | Feature Option Background:<br>Use this option to wrap code for CTA specific features,  which has conflict with other standard or certification requirements, like operator, CTS, etc.<br><br>Feature Option Configuration Guideline:<br>Enabled just only for CTA lab test sw load<br>Should be disabled in mass production sw load to avoid conflict as above mentioned.<br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_CTM_SUPPORT | Feature option for [CMCC] Terminal Management (SPOID00000173) | 1.Yes/No | Y |

| MTK_CTPPPOE_SUPPORT | yes: enable feature<br>[dependency_relationship]: no | 1.Yes/No | N/A |
|---|---|---|---|
| MTK_CTP_RESET_CONFIG | Reset TP IC for avoiding issue of DL wrong load.<br>yes: Use in internal.<br>no: For customer release<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_CTSC_MTBF_INTERNAL_SUPPORT | For internal use, the Feature option is for MTBF tool, only open in internal project, should be off for customer load<br>[dependency_relationship]: Internal load, the MTK_INTERNAL is Yes, the MTK_CTSC_MTBF_INTERNAL_SUPPORT shoule be yes | 1.Yes/No | N/A |
| MTK_CT_VOLTE_SUPPORT | We need to have this feature option to enable/disable CT VoLTE feature to make internal SQC/customer easy to config. | 1.Yes/No | Y |
| MTK_CUSTOMERSERVICE_APP | Enable CT operator app CustomerService.apk<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_CUSTOM_USERLOAD_ENGINEERMODE | The operation defined the MTK user load or Customer user load<br>Some features can show at MTK load and hide at Customer load<br>The value of operation default is no,Customer should mark it yes when need and mark it no before seling | 1.Yes/No | Y |
| MTK_DAL_SUPPORT | DAL is the internal debug mechanism for exception notification.<br>Which should not be enabled for customer release version.<br>This option will disable DAL for customer release load.<br>[dependency_relationship]: no | 2.Text | Y |
| MTK_DATADIALOG_APP | enable the data connection switching notification dailog<br><br>[dependency_relationship]: no<br><br><br>This option is only for CMCC TDD project and must be ON for CMCC. | 1.Yes/No | N |
| MTK_DATA_TRANSFER_APP | When MTK_DATA_TRANSFER_APP = yes, install our new apk DataTransfer iinto system image<br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_DEDICATEDAPN_SUPPORT | support a dedicated APN when enable tethering<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_DEFAULT_DATA_OFF | This feature option is for customer who would like to deafault turn-off data connection.<br>The default setting of data connection will be OFF and notification is sent to notify user the data connection is OFF.<br>yes: Enable this feature which turn-off data connection by default and notification is sent to notify user as data connection is OFF.<br>no: Disable this feature which turn-off data connection by default and notification is sent to notify user as data connection is OFF.<br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_DEFAULT_WRITE_DISK | Support &apos;default write disk&apos; or not | 1.Yes/No | Y |
| MTK_DEINTERLACE_SUPPORT | support hw video de-interlace | 1.Yes/No | Y |
| MTK_DENA_MINIROSANGUO_APP | Decide whether to build in the DeNA Mini-Sanguo game or not.<br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_DENA_MOBAGE_APP | Decide whether to build in the DeNA Mobage game store or not.<br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_DEVREG_APP | Feature option for the feature of CT(China Telecom) device register by message<br>[dependency_relationship]: no | 1.Yes/No | N/A |

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|---|---|---|---|
| MTK_DFO_RESOLUTION_SUPPORT | when "MTK_DFO_RESOLUTION_SUPPORT = yes" means this load can support DFO resolution feature,so this load can switch to other resolution | 1.Yes/No | N/A |
| MTK_DHCPV6C_WIFI | no: disable this feature<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_DIALER_SEARCH_SUPPORT | It is used to control dialer search feature, and shared by both Java code and native code.<br>[dependency_relationship]: if MTK_DIALER_SEARCH_SUPPORT = yes the MTK_SEARCH_DB_SUPPORT must be set as yes | 1.Yes/No | N/A |
| MTK_DIGITAL_MIC_SUPPORT | support for using digital mic MTK_DIGITAL_MIC_SUPPORT= yes use digital mic MTK_DIGITAL_MIC_SUPPORT= yes use analog mic<br>[dependency_relationship]: No | 1.Yes/No | N/A |
| MTK_DIGITS_SUPPORT | feature option for TMO digits | 1.Yes/No | N |
| MTK_DISABLE_CAPABILITY_SWITCH | In some software package we need to disable capability switch function. E.g. bringup or CU package. Default is no. | 1.Yes/No | Y |
| MTK_DISABLE_EFUSE | [not use after 6589] | 2.Text | N |
| MTK_DISABLE_PERSIST_VSIM | Add a method to allow always disable persist external sim feature. | 1.Yes/No | Y |
| MTK_DISABLE_POWER_ON_OFF_VOLTAGE_LIMITATION | Used for SMT and HQA, not for SQC and end-user<br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_DISPLAY_HIGH_RESOLUTION | Display high resolution cause DRAM bandwidth usage, CPU usage, Memory usage, and Performance has different behavior.<br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_DITHERING_SUPPORT | To control whether enable or disable LCD controller dithering feature. If choose yes, LCD controller would do dithering to avoid contour effect, but side effect is that dithering mechanism will make some noises<br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_DMNR_TUNING_AT_MD | Define DMNR tuning recording source<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_DM_AGENT_SUPPORT | If this feature option is yes, dm_agent_binder will be compiled into load.<br>value is yes or no.<br>If MTK_DM_APP = yes or MTK_DEVREG_APP = yes or MTK_MDM_APP = yes or MTK_SMSREG_APP = yes<br>MTK_DM_AGENT_SUPPORT= yes<br>else<br>MTK_DM_AGENT_SUPPORT= no | 1.Yes/No | Y |
| MTK_DM_APP | Device Management. For example, collection or configuration parameter's of device,<br>upgrade software, lock or unlock device, wipe data, etc.<br>[dependency_relationship]:<br>IF  MTK_SMSREG_APP = no<br>THEN  MTK_DM_APP = no<br><br>IF MTK_DM_APP = no<br>  MTK_SCOMO_ENTRY = no<br><br>IF  MTK_FOTA_SUPPORT = no  or MTK_DM_APP = no<br>THEN    MTK_FOTA_ENTRY = no | 1.Yes/No | Y |
| MTK_DM_ENTRY_DISPLAY | Entrance switch of FOTA in Settings<br>[dependency_relationship]: if MTK_DM_ENTRY_DISPLAY = yes then MTK_DM_APP must be set as &apos;yes&apos; | 2.Text | N/A |
| MTK_DM_VERITY_OFF | disable dm-verity | 1.Yes/No | Y |
| MTK_DOCOMO_SUPPORT | This feature option is used to indicate if support DoCoMo operator | 1.Yes/No | N |

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|---|---|---|---|
| MTK_DOLBY_DAP_SUPPORT | Enable Dolby Audio Postprocessing<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_DP_FRAMEWORK | Common framework for controlling underlying MM resizer hardware.<br>[dependency_relationship]: no | 1.Yes/No | N |
| MTK_DRAMC_BOOT_OPT | Performance enhance for dramc booting optimize<br>If no, dramc booting need more time | 1.Yes/No | Y |
| MTK_DRE30_SUPPORT | DRE30 feature enhance contrast by local tone mapping (need enable AAL_SUPPORT) | 1.Yes/No | Y |
| MTK_DRM_APP | Enable or disable both the OMA DRM1.0 feature and CTA Level5 data protection encrypted/decrypted feature. | 1.Yes/No | Y |
| MTK_DRM_KEY_MNG_SUPPORT | support MTK DRM Key Management<br>[dependency_relationship]: if MTK_DRM_KEY_MNG_SUPPORT = yes then<br>    MTK_IN_HOUSE_TEE_SUPPORT must be set to yes, or<br>    TRUSTONIC_TEE_SUPPORT must be set to yes | 1.Yes/No | N/A |
| MTK_DRM_PLAYREADY_SUPPORT | Enable/Release playready library<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_DSPIRDBG | Control the DSPIRDBG, which is used to control the log output. Its dafault value is no, would be set to yes by RD when needed. It's depend on MDLogger.<br>[dependency_relationship]: IF MTK_MDLOGGER_SUPPORT = no THEN MTK_DSPIRDBG = no | 1.Yes/No | N |
| MTK_DTAG_DUAL_APN_SUPPORT | [C90] Inter-RAT CR issue within EU DTAG dual APN country. This is a requirement from DTAG operator that is acting in 4G network. We propose MTK_DTAG_DUAL_APN_SUPPORT to control this feature for different project.<br><br>The code would be placed in L.AOSP.EARLY.DEValpsdevicemediatekmuse6732_c90_IProjectConfig.mk<br>MTK_DTAG_DUAL_APN_SUPPORT = yes<br>AUTO_ADD_GLOBAL_DEFINE_BY_NAME = ...<br>MTK_DTAG_DUAL_APN_SUPPORT | 1.Yes/No | N/A |
| MTK_DTBO_FEATURE | A option to enable DTBO feature | 1.Yes/No | N/A |
| MTK_DUAL_CHARGER_SUPPORT | Enable this option to support two charging ICs (master + slave) | 1.Yes/No | Y |
| MTK_DUAL_DISPLAY_SUPPORT | feature option of dual display support | 3.Number | Y |
| MTK_DUAL_INPUT_CHARGER_SUPPORT | support both dc and usb charger.<br>while dc is charging, otg can normal work. | 1.Yes/No | Y |
| MTK_DUAL_MIC_SUPPORT | For MTK's dual mic configuration.<br>[dependency_relationship]: if MTK_DUAL_MIC_SUPPORT = yes, the modem side:DUAL_MIC_SUPPORT must be set TRUE | 1.Yes/No | N/A |
| MTK_DVFS_DISABLE_LOW_VOLTAGE_SUPPORT | Yes, means disable lower voltage support in DVFS. Only used for mt6582<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_DX_HDCP_SUPPORT | The option is to support Discretix HDCP feature | 1.Yes/No | Y |
| MTK_DYNAMIC_CCB_BUFFER_GEAR_ID | Set the dymanic CCB buffer gear ID | 3.Number | Y |
| MTK_DYNAMIC_FPS_SUPPORT | dynamic fps control platform support | 1.Yes/No | Y |
| MTK_DYNAMIC_IMS_SWITCH_SUPPORT | We need to have this feature option to enable/disable dynamic ims switch mechanism to avoid customer testing ims on MTK none support area. | 1.Yes/No | Y |
| MTK_DYNAMIC_SBP_SUPPORT | Configure features dynamically according to SIM&apos;s MCC/MNC | 1.Yes/No | Y |
| MTK_EAP_SIM_AKA | if this feature option is enabled, then Android OS support eap-sim and eap-aka authentication when using Wi-Fi.<br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_ECCCI_C2K | AP CCCI driver for C2K modem. | 1.Yes/No | N |
| MTK_EFUSE_DOWNGRADE | For downgrade project internal test only | 1.Yes/No | N |

| MTK_EFUSE_WRITER_SUPPORT | This option is used to turn on/off the function of build-in efuse writer in pre-loader. | 1.Yes/No | Y |
|---|---|---|---|
| MTK_EMBMS_SUPPORT | Used to enable & disable eMBMS feature or function<br>1. Yes.  Enable eMBMS function and eMBMS APK will be built-in<br>2. No.  Disable eMBMS function and eMbms APK will not be built-in | 1.Yes/No | Y |
| MTK_EMCAMERA_APP | It's a switch to control when Engineer Mode - Camera Feature need to be built in. | 1.Yes/No | Y |
| MTK_EMCAMERA_VERSION | EmCamera version | 3.Number | N |
| MTK_EMMC_DISCARD | [FOR FAT Only]From eMMC v4.5, Discard command is supported. It allows an operating system to inform a eMMC which blocks of data are no longer considered in use and can be wiped internally.<br>yes: enable discard @ FAT<br>no : disable discard @ FAT | 1.Yes/No | Y |
| MTK_EMMC_SUPPORT | eMMC feature enable/disable<br>[dependency_relationship]: if MTK_EMMC_SUPPPORT is no,the EMMC_CHIP can not be defined | 1.Yes/No | Y |
| MTK_EMMC_SUPPORT_OTP | support ont time program on EMMC ,specaily for JRD and MOTO<br>[dependency_relationship]: If this MTK_EMMC_SUPPORT_OTP is yes  The MTK_EMMC_SUPPORT must be yes | 1.Yes/No | Y |
| MTK_EMMC_SUPPORT_OTP_FOR_CUSTOMER | config MTK_EMMC_SUPPORT_OTP_FOR_CUSTOMER<br>    tristate &quot;MediaTek eMMC Card OTP support for customer&quot;<br>    depends on MTK_EMMC_SUPPORT_OTP<br>    help<br>        This enables MTK One-Time-Programming (OTP) partition support on eMMC device for customer. Say Y if you turns on MTK_EMMC and want to use MTK OTP partition for storing One-Time-Programming data. Must be enabled by customer self.<br><br>        if unsure, say N. | 1.Yes/No | Y |
| MTK_EMULATOR_SUPPORT | When feature option is set to &quot;yes&quot;, it implies current build is an emulator type. Module uses this option to check if it should be built for real device or emulator targets.<br>[dependency_relationship]: no,(only set yes in generic) | 1.Yes/No | N |
| MTK_ENABLE_DIVX_DECODER | Enable DivX video decoder feature<br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_ENABLE_MD1 | Set to yes, if the first modem is enabled<br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_ENABLE_MD2 | Set to yes, if the second modem is enabled<br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_ENABLE_MD3 | Enable/Disable External Modem 3 (C2K modem)<br><br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_ENABLE_MD5 | Enable/Disable External Modem 5 (LTE modem)<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_ENABLE_NATIVE_ASAN | native address sanitizer feature option, only set in k58v1_64_uasan project | 1.Yes/No | Y |
| MTK_ENABLE_S263_DECODER | Enable S263 video decoder feature<br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_ENABLE_VIDEO_EDITOR | enable video editor native and java apk<br>[dependency_relationship]: No | 1.Yes/No | N |
| MTK_ENCRYPTION_DEFAULT_OFF | disable force encryption | 1.Yes/No | Y |
| MTK_ENCRYPTION_FDE_TO_FBE | forcefdeorfbe<br>default fde, user could change to fbe in UI | 1.Yes/No | Y |

| | | | |
|---|---|---|---|
| MTK_ENCRYPTION_TYPE_FILE | enable file encryption | 1.Yes/No | Y |
| MTK_ENGINEERMODE_APP | A utility application on phone that provide convenience supporting method for RDs and customers to debug, test their project.<br>[dependency_relationship]: no | 1.Yes/No | N |
| MTK_ENTITLEMENT_SUPPORT | This feature is used to control the service entitlement and enablement. With this feature we the features like volte, vowifi are dynamically enabled/disbaled by the operator server . Currently this feature is supported for ATT . Other operators will also use this feature in future | 1.Yes/No | Y |
| MTK_EPDG_SUPPORT | If MTK_EPDG_SUPPORT = yes, application could use the ePDG tunnel to access operator's core network service. | 1.Yes/No | N |
| MTK_ESN_TRACK_APP | This feature option will control the ESN track feature in AP/AF layer. | 1.Yes/No | N/A |
| MTK_ETHERNET_SUPPORT | ethernet feature config,default no in common.mk,<br>in 8127 box project and some other tablet project,if need ethernet,set MTK_ETHERNET_SUPPORT = yes in projectConfig.xml<br>if set MTK_ETHERNET_SUPPORT = yes, enable<br>if set MTK_ETHERNET_SUPPORT = no , disable | 1.Yes/No | Y |
| MTK_ETWS_SUPPORT | yes: support ETWS feature, and  the Application CellBroadcastReceiver should be build in the system.<br><br>no: not support ETWS feature and CellBroadcastReceiver application will not be build in the system.<br><br>[dependency_relationship]: yes | 1.Yes/No | Y |
| MTK_EXCHANGE_SUPPORT | An MTK feature option to enable disable Exchange service support in different projects. | 1.Yes/No | Y |
| MTK_EXTERNAL_DONGLE_SUPPORT | this is a new feature which is different from MTK_3GONGLE_SUPPORT. This feature indicate whether the device apply new architecture for dongle support. | 1.Yes/No | N |
| MTK_EXTERNAL_LDO | for MT8127, use external LDO | 1.Yes/No | Y |
| MTK_EXTERNAL_MODEM_SLOT | This feature is used to specify which slot is connected to the external modem<br>[dependency_relationship]: no | 3.Number | Y |
| MTK_EXTERNAL_SIM_ONLY_SLOTS | Indicate the SIM slot only support virtual SIM but not physical SIM slot.<br><br>The option value is bit mask, bit X means the SIM slot X. For an example, value 4 is means the slot 3. | 4.Select | Y |
| MTK_EXTERNAL_SIM_SUPPORT | Use to determine if platform allow to use external SIM APIs to treat a non-physical SIM as a normal SIM card.<br>If yes, means platform support to use a soft SIM or software remote sim as a physical SIM card.<br>If no, means didn&apos;t support to use non-physical SIM card. | 1.Yes/No | Y |
| MTK_EXTMD_NATIVE_DOWNLOAD_SUPPORT | This option is used to enable/disable native download mechanism for external modem | 1.Yes/No | N |
| MTK_FACEBEAUTY_SUPPORT | Enable face beautify<br>[dependency_relationship]: no | 1.Yes/No | N |
| MTK_FACTORY_GAMMA_SUPPORT | To support color temperature auto calibration in factory pipeline. Customer has to use MTK calibration tool and specific colorimeter to measure color temperature in factory pipeline. After calibrated, the delta of display panel can be controlled in some small range. | 1.Yes/No | Y |
| MTK_FACTORY_MODE_IN_GB2312 | This option controls Factroy mode display in Chinese or English.<br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_FACTORY_RESET_PROTECTION_SUPPORT | if yes, means factory reset protection feature is enable, need frp partition<br>if no,  means factory reset protection feature is disable, no need frp partition | 1.Yes/No | N/A |
| MTK_FAN5402_SUPPORT | New Config BBK92 Drive Only Codebase | 1.Yes/No | N/A |

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|---|---|---|---|
| MTK_FAN5405_SUPPORT | use external charger IC, MTK support<br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_FASTBOOT_SUPPORT | <br>[dependency_relationship]: no | 2.Text | Y |
| MTK_FAT_ON_NAND | For NAND phone such as in EMMC phone with internal sd card, FAT on NAND feature was cut from NAND to be a independent fat partition,and create FAT image file over /fat yaffs2 file system, then let NAND phone can support FAT file system in internal.<br>[dependency_relationship]: yes | 1.Yes/No | Y |
| MTK_FD_FORCE_REL_SUPPORT | Set the option to Yes to force to send SCRI message during the screen is on if the network doesn't support R8 Fast Dormancy.<br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_FD_SUPPORT | Support Fast Dormancy or not<br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_FEMTO_CELL_SUPPORT | This is for Femto cell (CSG) feature<br>To support femto cell list & selection and UI display<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_FENCE_SUPPORT | [not use after KK] EGL Fence Support | 1.Yes/No | Y |
| MTK_FILEMANAGER_APP | use this feature option to enable/disable File Manager App<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_FINGERPRINT_SELECT | select the fingerprint sensor | 4.Select | Y |
| MTK_FINGERPRINT_SUPPORT | Define fingerprint supported or not | 1.Yes/No | Y |
| MTK_FIRST_MD | MTK_FIRST_MD is used to specify the high priority modem.<br>In dual SIM load, phone1 will be mapped to high priority modem.<br>The option works for DualTalk project with dual 3G capability, for example, W+T DualTalk.<br>[dependency_relationship]: yes | 3.Number | Y |
| MTK_FLIGHT_MODE_POWER_OFF_MD | MTK_FLIGHT_MODE_POWER_OFF_MD is used to control if modem is powered off when entering flight mode<br>[dependency_relationship]: yes | 1.Yes/No | Y |
| MTK_FLIGHT_MODE_POWER_OFF_MD_POLICY | This is to specific modem power off feature requirement policy to be applied when entering flight mode.<br><br>0: Modem direct power off, default policy.<br>1: Modem delay power off. | 3.Number | Y |
| MTK_FLV_PLAYBACK_SUPPORT | use  to wrap the FLV playback feature, AS 50MP do not include the FLV Playback, so set no<br>[dependency_relationship]: no | 1.Yes/No | N |
| MTK_FMRADIO_APP | yes: build MTK FMRadio no: not build MTK FMRadio<br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_FM_50KHZ_SUPPORT | The feature option is to define if we support FM 50KHz step tune/seek/scan functions<br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_FM_CHIP | decide which FM radio chip to use: e.g.MT6620_FM, MT6628_FM<br>[dependency_relationship]: if MTK_FM_CHIP not be set null, the MTK_FM_SUPPORT must be set as yes | 5.Multi-select | Y |
| MTK_FM_RECORDING_SUPPORT | For FM record function enable option.<br>[dependency_relationship]: if MTK_FM_SUPPORT = no, must set MTK_FM_RECORDING_SUPPORT = no | 1.Yes/No | Y |
| MTK_FM_RX_AUDIO | define FM Rx audio path : digital or analog<br>[dependency_relationship]: no | 4.Select | N |

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|---|---|---|---|
| MTK_FM_RX_SUPPORT | support FM RX or not<br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_FM_SHORT_ANTENNA_SUPPORT | FM short antenna feature option: yes, support short antenna. no, support headset only<br>For FM Radio, when there's no headset, if short antenna is available, FM app will switch to short antenna automaticlly<br>For FM Tx, should support FM radio short antenna.<br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_FM_SUPPORT | The root switch of Android FM, if "no", all features(RX&TX) of FM will be removed from android system<br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_FM_TX_AUDIO | define FM TX type digital or analog<br>[dependency_relationship]: no | 4.Select | N |
| MTK_FM_TX_SUPPORT | FM transmitter switch: If "no" FM TX related features will be removed<br>[dependency_relationship]: if MTK_FM_TX_SUPPORT = yes the MTK_FM_SUPPORT must be set as yes | 1.Yes/No | N |
| MTK_FORCE_CLUSTER1 | This option is used to forcing system to run on CPU cluster 1, e.g. big cores on BIG.LITTLE system.<br>MTK_FORCE_CLUSTER1 = "yes" means enable this feature and "no" disable. | 1.Yes/No | N/A |
| MTK_FOTA_ENTRY | Entry switch of FOTA in Settings->About phone<br>yes: Turn on switch for FOTA entry<br>no: Turn off switch for FOTA entry<br>[dependency_relationship]:<br>IF MTK_SMSREG_APP = no<br>THEN MTK_DM_APP = no<br>IF MTK_DM_APP = no<br>  MTK_SCOMO_ENTRY = no<br>IF MTK_FOTA_SUPPORT = no or MTK_DM_APP = no<br>THEN MTK_FOTA_ENTRY = no | 1.Yes/No | Y |
| MTK_FOTA_SUPPORT | Firmware Upgrade Over The Air<br>[dependency_relationship]:<br>IF MTK_FOTA_SUPPORT = no or MTK_DM_APP = no<br>THEN MTK_FOTA_ENTRY = no | 1.Yes/No | Y |
| MTK_FSCK_MSDOS_MTK | Low cost phone using increasingly smaller RAM size, the size of the SD card. Customers can choose fsck_msdos_mtk to time for space.<br>yes: use fsck_msdos_mtk @ time for space.<br>no: NOT use fsck_msdos_mtk @ time for space.<br>[dependency_relationship]: No | 1.Yes/No | Y |
| MTK_FSCK_TUNE | enable e2fsck improvement for shorter boot time<br> Involved modules:ptgen | 2.Text | N/A |
| MTK_FUSED_LOCATION_SUPPORT | turn on/off Fused Location Provider | 1.Yes/No | Y |
| MTK_FW_UPGRADE | Support Adups OTA upgrade | 1.Yes/No | Y |
| MTK_FW_UPGRADE_APP | Support Adups OTA upgrade UI | 1.Yes/No | Y |
| MTK_GAMELOFT_ASPHALTINJECTION_APP | yes: default insatall Asphalt injection from gameloft<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_GAMELOFT_AVENGERS_ULC_CN_APP | Gameloft's game: Avengers ULC for Chian only.<br>[dependency_relationship]: Can't be opened on the same time with MTK_GAMELOFT_AVENGERS_ULC_WW_APP. | 1.Yes/No | Y |
| MTK_GAMELOFT_AVENGERS_ULC_WW_APP | Gameloft's game: Avengers ULC for global<br>[dependency_relationship]: Can't be opened on the same time with MTK_GAMELOFT_AVENGERS_ULC_CN_APP. | 1.Yes/No | Y |

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|---|---|---|---|
| MTK_GAMELOFT_GLLIVE_APP | yes: default insatall gllive from gameloft<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_GAMELOFT_GLL_CN_APP | Gameloft's game store: Gameloft Live for China only.<br>[dependency_relationship]: Can't be opened on the same time with MTK_GAMELOFT_GLL_WW_APP. | 1.Yes/No | Y |
| MTK_GAMELOFT_GLL_ULC_CN_APP | Gameloft's game store: Gameloft Live of ULC version for China only.<br>[dependency_relationship]: Can't be opened on the same time with MTK_GAMELOFT_GLL_ULC_WW_APP. | 1.Yes/No | Y |
| MTK_GAMELOFT_GLL_ULC_WW_APP | Gameloft's game store: Gameloft Live of ULC version for global.<br>[dependency_relationship]: Can't be opened on the same time with MTK_GAMELOFT_GLL_ULC_CN_APP. | 1.Yes/No | Y |
| MTK_GAMELOFT_GLL_WW_APP | Gameloft's game store: Gameloft Live for global.<br>[dependency_relationship]: Can't be opened on the same time with MTK_GAMELOFT_GLL_CN_APP. | 1.Yes/No | Y |
| MTK_GAMELOFT_KINGDOMANDLORDS_CN_APP | yes: default insatall kingdom and lords(ch) from gameloft<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_GAMELOFT_KINGDOMANDLORDS_WW_APP | yes: default insatall kingdom and lords(ww) from gameloft<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_GAMELOFT_LBC_CN_APP | Gameloft's game: Little Big City for China only.<br>[dependency_relationship]: Can't be opened on the same time with MTK_GAMELOFT_LBC_WW_APP. | 1.Yes/No | Y |
| MTK_GAMELOFT_LBC_ULC_CN_APP | Gameloft's game: Little Big City of ULC version for China only.<br>[dependency_relationship]: Can't be opened on the same time with MTK_GAMELOFT_LBC_ULC_WW_APP. | 1.Yes/No | Y |
| MTK_GAMELOFT_LBC_ULC_WW_APP | Gameloft's game: Little Big City of ULC version for global.<br>[dependency_relationship]: Can't be opened on the same time with MTK_GAMELOFT_LBC_ULC_CN_APP. | 1.Yes/No | Y |
| MTK_GAMELOFT_LBC_WW_APP | Gameloft's game: Little Big City for global<br>[dependency_relationship]: Can't be opened on the same time with MTK_GAMELOFT_LBC_CN_APP. | 1.Yes/No | Y |
| MTK_GAMELOFT_SD_CN_APP | Gameloft's game: Shark Dash for China only.<br>[dependency_relationship]: Can't be opened on the same time with MTK_GAMELOFT_SD_WW_APP. | 1.Yes/No | Y |
| MTK_GAMELOFT_SD_WW_APP | Gameloft's game: Shark Dash for global.<br>[dependency_relationship]: Can't be opened on the same time with MTK_GAMELOFT_SD_CN_APP. | 1.Yes/No | Y |
| MTK_GAMELOFT_UNOANDFRIENDS_CN_APP | yes: default insatall uno and friends (cn) from gameloft<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_GAMELOFT_UNOANDFRIENDS_WW_APP | yes: default insatall uno and friends (ww) from gameloft<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_GAMELOFT_WONDERZOO_CN_APP | yes: default insatall wonder zoo (cn) from gameloft<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_GAMELOFT_WONDERZOO_ULC_CN_APP | Gameloft's game: Wonder Zoo of ULC version for China only.<br>[dependency_relationship]: Can't be opened on the same time with MTK_GAMELOFT_WONDERZOO_ULC_WW_APP. | 1.Yes/No | Y |
| MTK_GAMELOFT_WONDERZOO_ULC_WW_APP | Gameloft's game: Wonder Zoo of ULC version for Global.<br>[dependency_relationship]: Can't be opened on the same time with MTK_GAMELOFT_WONDERZOO_ULC_CN_APP. | 1.Yes/No | Y |
| MTK_GAMELOFT_WONDERZOO_WW_APP | yes: default insatall wonder zoo (ww) from gameloft<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_GAS_SERVICE_SUPPORT | Support for game detection service | 1.Yes/No | Y |

| MTK_GAUGE_VERSION | Select MTK Gauge Master version<br>Gauge Master is for calculating battery volume<br>10: Gauge Master 1.0<br>20: Gauge Master 2.0<br>30: Gauge Master 3.0 | 3.Number | N |
|---|---|---|---|
| MTK_GLOBAL_PQ_SUPPORT | Tablet Feature:<br>In non-video path, Surface Flinger selects 1 layer to enter MDP for DC/Sharpness enhancement.<br>Target is to extend DC/Sharpness into all third party APP(include gaming, photography, SW decode video, etc.) | 1.Yes/No | Y |
| MTK_GMO_RAM_OPTIMIZE | new LCA TF name: GMO TF from 2015.<br><br> - Gracili Memory Optimization(GMO)<br><br> - Gracili: Gracefully Slender in latin | 1.Yes/No | Y |
| MTK_GMO_ROM_OPTIMIZE | new LCA TF name: GMO TF from 2015.<br><br> - Gracili Memory Optimization(GMO)<br><br> - Gracili: Gracefully Slender in latin | 1.Yes/No | Y |
| MTK_GOOGLEOTA_SUPPORT | Open or close MOTA(Mediatek Over-The-Air) feature. Online firmware upgrade.<br><br>yes: Build and enable MOTA client application.<br><br>no : Remove and disable MOTA client application.<br><br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_GOOGLE_TRUSTY_SUPPORT | This feature is used to support Google trusty OS. The trusty OS is been used in Android to support for keymaster, secure passworld authentication, effortless authentication. Those features may be mandatory in Android M. | 1.Yes/No | Y |
| MTK_GPS_CHIP | To identify which GPS chip be used on current platform.<br><br>[dependency_relationship]: no | 4.Select | Y |
| MTK_GPS_SUPPORT | Be used to switch GPS feature on the platform. Set &quot;yes&quot; to turn on and set &quot;no&quot;(with MTK_AGPS_APP=no at the same time) to turn off.<br>[dependency_relationship]: if MTK_GPS_SUPPORT = yes, the MTK_GPS_CHIP should not be set null | 1.Yes/No | Y |
| MTK_GPT_SCHEME_SUPPORT | Support GUID Partition Table | 1.Yes/No | N |
| MTK_GPU_COMMON_DVFS_SUPPORT | Enable common GPU DVFS | 1.Yes/No | Y |
| MTK_GPU_SUPPORT | MTK_GPU_SUPPORT=yes, means support HW GPU<br><br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_GPU_VERSION | To identify GPU HW/SW version<br>3 tuples:<br>ip_class ip_name> driver_version<br>default is NULL | 2.Text | N |
| MTK_HAC_SUPPORT | Feature for HAC support or not | 1.Yes/No | N |

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| MTK_HANDSFREE_DMNR_SUPPORT | support MTK's handsfree mode DMNR and ASR on AP side<br>[dependency_relationship]: if MTK_AUDIO_HD_REC_SUPPORT=no ,MTK_HANDSFREE_DMNR_SUPPORT can not be yes | 1.Yes/No | N/A |
| MTK_HDMI_HDCP_SUPPORT | Enable hdmi tx hdcp support<br>[dependency_relationship]: Need enable MTK_HDMI_SUPPORT | 1.Yes/No | N/A |
| MTK_HDMI_SUPPORT | To control whether enable or disable HDMI feature. If choose yes, phone's screen can be demonstrated on TV via HDMI cable.<br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_HDR_VIDEO_SUPPORT | Support HDR video format | 1.Yes/No | Y |
| MTK_HEADER_SUPPORT | For L.AOSP's OTA. To compatible with MTK's KK.ABS.<br>For legacy chips: 6572/6582/6592/6595/6752/6732:<br>MTK_HEADER_SUPPORT=yes<br>For non-legacy chips: 6795/Denali: MTK_HEADER_SUPPORT=no | 1.Yes/No | Y |
| MTK_HEADSET_ACTIVE_NOISE_CANCELLATION | When a user wears a special headset and enable this feature. The environment noise can be reduced no matter in a call, music playback, and idle state. This feature only works in earphone mode. | 1.Yes/No | Y |
| MTK_HETCOMM_SUPPORT | MTK_HETCOMM_SUPPORT is used to decide to enable ManyOn/Hetcomm function in the SW package or not.<br>HETCOMM is the abbreviation of Heterogeneous communcation.<br><br>[dependency_relationship]: yes<br>If MTK_LTE_SUPPORT is yes, the MTK_HETCOMM_SUPPORT could be yes.<br>If MTK_LTE_SUPPORT is no, the MTK_HETCOMM_SUPPORT should be no. | 1.Yes/No | Y |
| MTK_HIDL_PROCESS_CONSOLIDATION_ENABLED | for memory saving. it is used to control using merged hidl process to replace separated hidl service processes or not. if true, use merged hidl service process, if false, use AOSP hidl service processes. | 1.Yes/No | Y |
| MTK_HIFIAUDIO_SUPPORT | hifi audio support | 1.Yes/No | Y |
| MTK_HIGH_QUALITY_THUMBNAIL | to enable high quality thumbnail. The thumbnail format retrieved by application will be ARGB8888 instead of RGB565.<br>[dependency_relationship]: No | 1.Yes/No | Y |
| MTK_HIGH_RESOLUTION_AUDIO_SUPPORT | MTK_HIGH_RESOLUTION_AUDIO_SUPPORT=yes (Stagefright and OMX component will enable 24bit Audio)<br>MTK_HIGH_RESOLUTION_AUDIO_SUPPORT=no (Stagefright and OMX component will not enable 24bit Audio) | 1.Yes/No | Y |
| MTK_HOTKNOT_SUPPORT | use it to enable/disable the hotknot feature | 1.Yes/No | Y |
| MTK_HUIYOU_SYJT_APP | Decide whether to pre-build 3rd party app HUIYOU_SYJT or not.<br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_HUIYOU_WABAOJINGYING_APP | Decide whether to pre-build 3rd party app WABAOJINGYING or not.<br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_HW_ENHANCE | MTK_HW_ENHANCE=y means enable hardware optimization for tablet<br>[dependency_relationship]: The option works only when MTK_PLATFORM_OPTIMIZE=y | 1.Yes/No | N |
| MTK_HW_ENHANCE_VERSION | version definition of MTK_HW_ENHANCE feature | 3.Number | N |
| MTK_HW_KEY_REMAPPING | Add a feature option to enable HW key remapping for HOME/BACK/MENU keys.<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_ICCS_SUPPORT | MediaTek Inter-Cluster Cache Sharing is a feature to enhance system performance, which enables the cache sharing capability<br>between clusters for better cache utilization. | 1.Yes/No | N/A |

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| MTK_IMS_SUPPORT | Generate compiler flag in C and JAVA layer | 1.Yes/No | N |
| MTK_INCALL_HANDSFREE_DMNR | incall handsfree mode DMNR support<br>[dependency_relationship]: MTK_DUAL_MIC_SUPPORT=yes | 1.Yes/No | N/A |
| MTK_INCALL_NORMAL_DMNR | incall normal mode DMNR support<br>[dependency_relationship]: MTK_DUAL_MIC_SUPPORT=yes | 1.Yes/No | N/A |
| MTK_INCLUDE_MODEM_DB_IN_IMAGE | Support build modem database file into system image under the path:<br>"system/etc/mddb".<br>[dependency_relationship]: MTK_MDLOGGER_SUPPORT set as yes. then set this FO as yes. Or set as 'no'. | 1.Yes/No | Y |
| MTK_INPUTMETHOD_COOTEKIME_TOUCHPAL | Feature option to disable or enable 3rd party IME: Cootek Touchpal IME | 1.Yes/No | N |
| MTK_INPUTMETHOD_PINYINIME_APP | This option is used to config whether PinyinIME should be prebuilt as system application<br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_INTERNAL_API_CHECK | Decide if LEGO API checking mechanism is enabled. The mechanism is to ensure MediaTek added framework API list is not changed without approval.<br>Note: this option is disabled in customer releases. | 1.Yes/No | N |
| MTK_INTERNAL_HDMI_SUPPORT | To switch language set. Because some language need third party font support, these language should be removed on custom project first to avoid build error. It is no longer valid after ALPS.GB.TDFD_MP.<br>[dependency_relationship]: If MTK_INTERNAL is YES, then MTK_INTERNAL_LANG_SET is YES. If MTK_INTERNAL is NO, then MTK_INTERNAL_LANG_SET is NO. | 1.Yes/No | N/A |
| MTK_INTERNAL_LANG_SET | To switch language set. Because some language need third party font support, these language should be removed on custom project first to avoid build error. It is no longer valid after ALPS.GB.TDFD_MP.<br>[dependency_relationship]: If MTK_INTERNAL is YES, then MTK_INTERNAL_LANG_SET is YES. If MTK_INTERNAL is NO, then MTK_INTERNAL_LANG_SET is NO. | 2.Text | N |
| MTK_INTERNAL_MHL_SUPPORT | Enable internal mhl tx support<br>[dependency_relationship]: Need enable MTK_HDMI_SUPPORT ,but can't enable MTK_INTERNAL_HDMI_SUPPORT at the same time | 1.Yes/No | N/A |
| MTK_INT_MD_SPE_FOR_EXT_MD | For DSDA project, it identify the external md speech enhancement is processed in internal or external.<br>[Expression]<br>Yes -> Use internal md dsp to do speech enhancement for external md phone call. (proposal#2)<br>No -> Use external md dsp to do speech enhancement for external md phone call. (proposal#1) | 1.Yes/No | Y |
| MTK_IN_HOUSE_TEE_SUPPORT | support MTK In-House TEE<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_ION_SUPPORT | This option controls whether ION is supported in this project.<br>[dependency_relationship]: no | 1.Yes/No | N |
| MTK_IPOH_SUPPORT | This option is for IPO-H feature, applied to MT6589 platform. it should be set as &quot;yes&quot;, otherwise &quot;no&quot;<br>When set as &quot;yes&quot;, it should build &quot;swap_init&quot; and &quot;s2dctl&quot; binary programs.<br>[dependency_relationship]: When MTK_IPO_SUPPORT is &quot;no&quot;, MTK_IPOH_SUPPORT must be &quot;no&quot; | 1.Yes/No | Y |
| MTK_IPO_SUPPORT | Instant Power On is a software solution, device can boot up in a configurable time without extra hardware cost<br>It leverages the Android suspend feature to create a new user experience.<br>[dependency_relationship]: no | 1.Yes/No | Y |

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| MTK_IPTV_SUPPORT | China IPTV support feature for MTK android BOX.<br><br>8127 BOX project with IPTV feature will use this option to separate with others.<br><br>Add a line to alps/mediatek/config/common/ProjectConfig.mk<br><br>MTK_IPTV_SUPPORT = no<br><br>Add a line to alps/mediatek/build/tools/javaoption.pm<br><br>MTK_IPTV_SUPPORT<br><br>Append MTK_IPTV_SUPPORT  to AUTO_ADD_GLOBAL_DEFINE_BY_NAME<br><br>At this moment, we use Virtual branch for developi<br><br>ng. So KK branch keeps the option to be not opened<br><br>(but in our virtual branch it opened). Although i<br><br>t not open in KK but this option also takes effect<br><br>in Java layer of KK, we use this feature option i | 1.Yes/No | Y |
| MTK_IPV6_SUPPORT | Enable/disable IPv6 Over 3G Modem Feature<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_IPV6_TETHER_NDP_MODE | is NDP mode or RADVD mode during IPv6 tethering<br>yes: enable NDP mode during IPv6 tethering<br>no: disable enable NDP mode during IPv6 tethering<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_IPV6_TETHER_PD_MODE | In pd mode, the phone will ask the 3G network for prefix delegation, and use it to divide subnet.<br>yes : enable prefix delegation.<br>no : disable prefix delegation.<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_IPV6_VZW | for vzw spec: REQ6378 | 1.Yes/No | Y |
| MTK_IRAT_SUPPORT | This feature option is used to control that whether device support Inter-RAT between 3GPP2 (C2K) and 3GPP (LTE) on C2K project. We should set the option to Yes if we need to support IRAT between LTE and C2K, or else we should set it to No. Please be noted that if MTK_C2K_LTE_MODE is 0, MTK_IRAT_SUPPORT should be set to No. | 1.Yes/No | Y |
| MTK_IRIS_SUPPORT | Define iris supported or not | 1.Yes/No | Y |
| MTK_IRTX_PWM_SUPPORT | IRTX PWM Solution | 1.Yes/No | Y |
| MTK_IRTX_SUPPORT | Project support irtx or not. | 1.Yes/No | N |

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| MTK_JEITA_STANDARD_SUPPORT | Change Battery Charging Current and Charging behavior to meet the requirement of BAttery-Temperature JEITA standard. | 1.Yes/No | N/A |
| MTK_JPEG_HW_RESIZER_TYPE | specify MTK JPEG HW resizer type according to chip HW.<br>MT6575/77 = HW_RESIZER_TYPE0<br>MT6589 = HW_RESIZER_TYPE1<br>others = HW_RESIZER_TYPE2 | 4.Select | N |
| MTK_K64_SUPPORT | MT6752 needs Kernel-32bits and 64bits co-branch & QC, so need this feature option.<br>K64 project need set YES. | 1.Yes/No | Y |
| MTK_KERNEL_POWER_OFF_CHARGING | yes : support KPOC feature, power off charging would running by kernel and charging animation by IPO service.<br>no: not support KPOC feature, and power off charging would running by lk.<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_LAUNCHER_UNREAD_SUPPORT | java feature option used to switch on/off launcher unread shortcut feature, show unread number of Email, message, phone and Calendar.<br>[dependency_relationship]:<br>no | 1.Yes/No | Y |
| MTK_LCEEFT_SUPPORT | enable lce function<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_LCM_DEVICE_TREE_SUPPORT | Decide whether to support LCM device tree based configuration. | 1.Yes/No | Y |
| MTK_LCM_PHYSICAL_ROTATION | To set the angle between dimension of UI layout and LCM scan direction<br>[dependency_relationship]: if MTK_LCM_PHYSICAL_ROTATION = 90, the MTK_QVGA_LANDSCAPE_SUPPORT must be set as yes | 2.Text | Y |
| MTK_LIVEWALLPAPER_APP | To enable/disable feature Google default live Wallpapers on the project. If MTK_LIVEWALLPAPER_APP = yes all Google default live wallpapers will be built into bootimage and users can use this feature on their device, vice versa.<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_LOADER_BACKUP | Support legacy chip for update lk2 | 1.Yes/No | Y |
| MTK_LOCKSCREEN_TYPE | it has two values - 1 or 2. 1 stands for google default lockscreen, which we drag the lock bar to right, then the phone can be unlocked. 2 stands for SlideLockScreen, which we slide the screen up, then the phone can be unlocked.<br>[dependency_relationship]: no | 2.Text | N/A |
| MTK_LOG2SERVER_APP | Feature option for Log2Server. Log2Server is a feature for send exception log of device to a specific server by mail or by wifi, then the server is handled the log and make a CR with CQ Web.<br>[dependency_relationship]: If HAVE_AEE_FEATURE is set as no, MTK_LOG2SERVER_APP  must be set as no. | 1.Yes/No | N |
| MTK_LOG2SERVER_INTERNAL | This feature option is provide to ExceptionReporter for make a difference between internal load and customer load. If MTK_LOG2SERVER_INTERNAL = yes, then ExceptionReporter's server will  try to create a CR with the submitter name, If MTK_LOG2SERVER_INTERNAL = no, then it do nothing.<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_LOG_CUSTOMER_SUPPORT | Control mtk log daemon release in customer user load. Default value is no, mean don't release mtk log daemon in customer user load, If customer need the log daemon, they need modify the configure to yes. | 1.Yes/No | Y |
| MTK_LOG_SUPPORT_GPS | Enable or disable GPS log, default is on, only in customer user load will be off. | 1.Yes/No | Y |
| MTK_LOG_SUPPORT_MOBILE_LOG | feature option for mobile log. | 1.Yes/No | Y |
| MTK_LOMO_SUPPORT | Enable/Disable camera Lomo effect | 1.Yes/No | Y |
| MTK_LOW_BAND_TRAN_ANIM | Support low bandwith application transition animation. For some project HW power does not enough, it can enhance application transition animation FPS.<br>[dependency_relationship]: no | 1.Yes/No | N/A |

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| MTK_LWA_SUPPORT | MTK_LWA_SUPPORT is used for enabled or disable 3GPP LWA (LTE Wi-Fi Aggregation) feature.<br><br>Yes: enable LWA function in Android side<br>No: disable LWA function in Android side<br><br>[Feature]<br>SPOID00000130 LWA (LTE Wi-Fi Aggregation) | 1.Yes/No | Y |
| MTK_M4U_SUPPORT | Used to enable or disable multimedia HW to access non-physical-continuous memory. yes: multimedia HW can access non-physical-continuous memory directly. no: multimedia HW can only access physical continuous memory just like other common HW DMA.<br>[dependency_relationship]: no | 1.Yes/No | N |
| MTK_MAGICONFERENCE_SUPPORT | Feature Option for Magiconference support or not | 1.Yes/No | N |
| MTK_MAPI_SUPPORT | MTK will provide analysis public interface to customer and operator. AP will use this option to output IP packet information for analysis. | 1.Yes/No | Y |
| MTK_MASS_STORAGE | Let persist.sys.usb.config in default.prop as mass_storage.<br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_MATV_ANALOG_SUPPORT | mATV audio path mode selection: analog path: MTK_MATV_ANALOG_SUPPORT = yes I2S path: MTK_MATV_ANALOG_SUPPORT = no<br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_MATV_SERIAL_IF_SUPPORT | MTK_MATV_PARALLEL_IF_SUPPORT is used to define mATV video path interface is parallel interface or serial interface.<br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_MAV_PLAYBACK_SUPPORT | The feature can provide a picutre is like 3D picture. You can wave device left and right then can see the picture display multi-Angle for this image<br><br>[dependency_relationship]:<br><br>yes<br><br>MTK_CAM_MAV_SUPPORT | 1.Yes/No | N/A |
| MTK_MD1_SUPPORT | modem 1 mode.<br>[dependency_relationship]: no | 4.Select | Y |
| MTK_MD2_SUPPORT | modem 2 mode<br>[dependency_relationship]: no | 4.Select | Y |
| MTK_MD3_SUPPORT | Set MD3(C2K) modem type<br><br>[dependency_relationship]: no | 3.Number | Y |
| MTK_MD5_SUPPORT | Set MD5 modem type<br>[dependency_relationship]: no | 3.Number | N/A |
| MTK_MDLOGGER_SUPPORT | It's used to control MDLogger which output the Modem Log and Memory dump information.<br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_MDM_APP | Switch for DM in-house solution.<br>[dependency_relationship]: MTK_MDM_APP, MTK_DM_APP and MTK_RSDM_APP are exclusive. (Only one can be enabled at the same time | 1.Yes/No | N/A |
| MTK_MDM_FUMO | FUMO support for MediatekDM package.<br>[dependency_relationship]: MTK_MDM_APP and MTK_FOTA_SUPPORT must both be yes to set MTK_MDM_FUMO to yes. | 1.Yes/No | N/A |

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| MTK_MDM_LAWMO | LAWMO support for MediatekDM package.<br>[dependency_relationship]: MTK_MDM_APP must be yes to set MTK_MDM_LAWMO to yes. | 1.Yes/No | N/A |
| MTK_MDM_SCOMO | SCOMO support for MediatekDM package.<br>[dependency_relationship]: MTK_MDM_APP must be yes to set MTK_MDM_SCOMO to yes. | 1.Yes/No | N/A |
| MTK_MD_DIRECT_TETHERING_SUPPORT | Used to describe whether MD direct tethering is supported or not.<br>yes: Support MD direct tethering<br>no: Does not support MD direct tethering<br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_MD_LOW_BAT_SUPPORT | MTK_MD_LOW_BAT_SUPPORT = no/yes<br>yes: when device is in lower battery state, AP notify modem to reduce tx power for protection.<br>no: when device is in lower battery state, AP not notify modem to reduce tx power for protection. | 1.Yes/No | Y |
| MTK_MD_SBP_CUSTOM_VALUE | Custom modem sbp id:<br>Please use decimal(10) number.ex MTK_MD_SBP_CUSTOM_VALUE=3 for Orange, MTK_MD_SBP_CUSTOM_VALUE=6 for Vodafone<br><br>For N branch and Olympus project, no need set kernel config CONFIG_MTK_MD_SBP_CUSTOM_VALUE.<br><br>From L.AOSP to M MP branch project, please also modify kernel config CONFIG_MTK_MD_SBP_CUSTOM_VALUE to the same value.  If SBP feature is enable, CONFIG_MTK_MD_SBP_CUSTOM_VALUE = &quot;x&quot;, such as CONFIG_MTK_MD_SBP_CUSTOM_VALUE = &quot;3&quot; | 3.Number | N |
| MTK_MD_SHUT_DOWN_NT | This feature option is used by user space service. Some platform support power off MD CMOS circle individually, this new HW power off technology need user space service using different operation flow. We using this option to distinguish.<br>[dependency_relationship]: no | 1.Yes/No | N |
| MTK_MEMORY_COMPRESSION_SUPPORT | MTK_MEMORY_COMPRESSION_SUPPORT=yes, means to enable memory compression related features for LCA project.<br>[dependency_relationship]: No feature option dependency, but depend on kernel config (CONFIG_ZRAM) | 1.Yes/No | N/A |
| MTK_MERGE_INTERFACE_SUPPORT | mergeinterface setting between 6628 and 6589<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_META_RSSITRIGGER_SUPPORT | This feature option is used to set meta mode enable wifi connection by WIFI RSSI.<br>If set it as yes, will trigger by WIFI RSSI. If set it as no, will trigger by volume up key. And default will use volume up key. | 1.Yes/No | Y |
| MTK_MIRAVISION_SETTING_SUPPORT | yes: support MiraVision in display setting menu<br><br>no: no MiraVision setting<br><br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_MKV_PLAYBACK_ENHANCEMENT | MKV support MPEG4,HEVC,AVC codec<br>phone will phase out | 1.Yes/No | N |
| MTK_MLC_NAND_SUPPORT | Yes: Support MLC NAND device<br>No: Not support MLC NAND device | 1.Yes/No | Y |

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| MTK_MMPROFILE_SUPPORT | Multimedia profiling mechanism<br>[dependency_relationship]: no | 1.Yes/No | N |
| MTK_MMS_IN_GMS | Decide to enable/disable MTK&apos;s MMS application for GMS package or not<br>Default value is &quot;No&quot; which means disable MMS application for GMS project load.<br><br>Yes: enable MMS application for GMS project load<br>No: disable MMS application for GMS project load | 1.Yes/No | Y |
| MTK_MMUMAP_SUPPORT | [not use after 6589] | 2.Text | N |
| MTK_MOBILE_MANAGEMENT | yes: In Android JB/KK/LM, this means enable new system service &quot;Mobile Manager Service&quot; ; Since Android N, this means enable CTA Security spec needed features.<br><br>[dependency_relationship]: no<br><br><br><br>[ Feature Usage ]<br><br> - for fit 2013 YDT 2407 security specification announced by CTTL CTA<br><br> - for products sold in China, all device must be satisfied with ata least level 1 ~ level 4<br><br> - the main concept is to monitor all application usage, especially when<br><br> - enable WIFI / BT / GPS / NFC / Data Connection...<br><br> - read privacy data eg. SMS / MMS / ...<br><br> when detecting above situations, permission controller will prompt user confirm dialog for user to choose. | 1.Yes/No | N/A |
| MTK_MODEM_MONITOR_SUPPORT | Feature option for Modem Monitor(MDM) Framework (ALFMS00693213). This feature is designed to be a common feature, A feature option can let users have a method to close this feature if they do not use it. | 1.Yes/No | N |
| MTK_MODEM_SUPPORT | For Platform: MT6573, MT6575 If it is equal to "modem_2g", means only support 2g modem. If it is equal to "modem_3g", means support 2g and 3g modem<br>[dependency_relationship]: if MTK_MODEM_SUPPORT = modem_3g, the modem side:L1_3GSOLUTION must be set as MTK_UL1_FDD if MTK_MODEM_SUPPORT = modem_2g, the modem side: L1_3GSOLUTION should not be defined | 2.Text | Y |
| MTK_MP2_PLAYBACK_SUPPORT | if the feature option is yes, we will support mp2 playback.<br>phone will phase out | 1.Yes/No | N |
| MTK_MPEG_DASH_SUPPORT | support mpeg dash stream feature in Android.<br>Yes : support it<br>No : unsupport it | 1.Yes/No | N |
| MTK_MPE_SUPPORT | Support MEMS-Sensor Positioning Engine for improve GPS accuracy/stability | 1.Yes/No | Y |
| MTK_MSDC1_NOT_SUPPORT_SDR104 | mt6592 720p msdc1config,no support SDR104<br>[dependency_relationship]: no | 1.Yes/No | N/A |

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| MTK_MT6306_SUPPORT | This feature option is for K2 EVB & Common Phone PCB. It uses an MT6306 IC for GPIO extender.<br>Currently, some GPS/NFC/Camera/MHL pins are connected to MT6306.<br>For the customer reference schematic, it's removed.<br>So, this feature option is just for internal project use, it should be turned off when doing customer release. | 1.Yes/No | Y |
| MTK_MT6333_SUPPORT | If PCB support MT6333, please set yes. otherwise set no.<br>[dependency_relationship]: no | 1.Yes/No | N |
| MTK_MT8193_HDCP_SUPPORT | MTK_MT8193_HDCP_SUPPORT=no means disable hdcp<br><br>MTK_MT8193_HDCP_SUPPORT=yes means enable hdcp<br><br>[dependency_relationship]:<br>MTK_HDMI_SUPPORT/MTK_MT8193_HDMI_SUPPORT | 1.Yes/No | Y |
| MTK_MT8193_HDMI_SUPPORT | [dependency_relationship]: MTK_MT8193_SUPPORT | 1.Yes/No | Y |
| MTK_MT8193_NFI_SUPPORT | [dependency_relationship]: if MTK_MT8193_NFI_SUPPORT turns on, MTK_MT8193_SUPPORT should be true | 2.Text | N |
| MTK_MT8193_SUPPORT | [dependency_relationship]: 1.if MTK_MT8193_HDCP_SUPPORT turns on, MTK_MT8193_HDMI_SUPPORT should be turned ON at same time<br>2.if MTK_MT8193_HDMI_SUPPORT turns on, MTK_MT8193_SUPPORT should be turned ON at same time<br>3.if MTK_MT8193_NFI_SUPPORT turns on, MTK_MT8193_SUPPORT should be turned on. | 1.Yes/No | N/A |
| MTK_MTKLOGGER_SUPPORT | Feature option for include or exclude MTKLogger from load | 1.Yes/No | N |
| MTK_MTKPS_PLAYBACK_SUPPORT | enable/disable mtkps playback feature<br><br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_MULTIBRIDGE_SUPPORT | [dependency_relationship]: This feature option is for companion chip MT8193 use.<br>if MTK_MULTIBRIDGE_SUPPORT = Yes, need set CUSTOM_KERNEL_MULTIBRIDGE = mt8193 | 1.Yes/No | N/A |
| MTK_MULTIPLE_IMS_SUPPORT | For Multiple IMS feature, we need to define IMS protocol numbers that we support. Module RD could design their modules for backward compatible. | 3.Number | Y |
| MTK_MULTIPLE_TDLS_SUPPORT | The feature option is to define if Multiple TDLS is supported | 1.Yes/No | N |
| MTK_MULTI_LOG_SD | Due to the continued increase in the amount of log (the peak will larger than 10MB / s), the current mechanism is write different log files at same time, affect the speed of the SD card write. We will add a new feature, write different log into a single file in order to improve the speed of the write. All current MD will unite to one file, mobilelog and netlog will unite to one file. It will use this configure to control the feature. | 4.Select | Y |
| MTK_MULTI_PARTITION_MOUNT_ONLY_SUPPORT | Enable/disable USB OTG to mount multi-partition USB disk<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_MULTI_PS_SUPPORT | For Multi-PS Attach feature, we need config this feature on/off | 1.Yes/No | Y |
| MTK_MULTI_SIM_SUPPORT | for multi-SIM configuration. | 4.Select | Y |
| MTK_MULTI_STORAGE_SUPPORT | Support more than 1 SD. Some write app can save to one of the storages. Ex: Camera,recorder,browser,BT,ATV,CMMB. Mount service can mount multi-storage. And Media scanner will scan all storages.<br>[dependency_relationship]: no | 1.Yes/No | N/A |

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| MTK_MULTI_WINDOW_SUPPORT | open option to support multi window on tablet,<br><br>the value is yes & no , yes means open feature | 1.Yes/No | Y |
| MTK_MUX_CHANNEL | define the num of channel | 4.Select | N |
| MTK_NAND_MTK_FTL_SUPPORT | For MTK NAND projects, we provide MTK_FTL algorithm to support EXT4 file system, such that corresponding application can be applied | 1.Yes/No | Y |
| MTK_NAND_PAGE_SIZE | Page Size of Nand we used<br>[dependency_relationship]: no | 2.Text | Y |
| MTK_NAND_UBIFS_FASTMAP_SUPPORT | turn on/off fastmap feature of UBIFS<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_NAND_UBIFS_SUPPORT | Support using UBIFS rather than yaffs2 in NAND<br>[dependency_relationship]: no | 2.Text | Y |
| MTK_NATIVE_FENCE_SUPPORT | [not use after KK] Natvie Fence support | 1.Yes/No | N |
| MTK_NCP1854_SUPPORT | NCP1854/NCP1855 charger IC support | 1.Yes/No | N/A |
| MTK_NEON_SUPPORT | Control which library to use according to whether NEON HW support or not<br>[dependency_relationship]: no | 2.Text | N |
| MTK_NETWORK_LOG_SUPPORT | 1. Use this feature to control network log daemon built-in.<br>2. Due to current security problem. Add this feature for customer to remove daemon on end user load.<br>3. Default value is yes | 1.Yes/No | Y |
| MTK_NETWORK_TYPE_ALWAYS_ON | This feature option is for open market to pass CTA lab test<br><br>To show network type (ex: &quot;3G&quot;) string in operator name display<br><br>[dependency_relationship]: N/A | 1.Yes/No | Y |
| MTK_NETWORK_TYPE_DISPLAY | Support different display for available networks. show 2G/3G indication for 3g project.<br><br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_NET_RFC7217 | AT&T need MTK to support RFC7217 Feature,<br>but this feature make some operator IOT fail ,so<br> we Just Enable this feature on AT&T branch/project. | 1.Yes/No | Y |
| MTK_NEW_COMBO_EMMC_SUPPORT | Add option for new combo-emmc in mt6592<br>yes: means the option is enable<br>no: means the option is disable | 1.Yes/No | N/A |
| MTK_NEW_IPTABLES_SUPPORT | Update iptalbes version to 1.4.10 or use Android default iptables(version 1.3.7)<br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_NFC_ADDON_SUPPORT | Describe whether MTK customized NFC control options are visible from Settings:<br>(1). Reader mode control<br>(2). P2P mode control<br>(3). Card mode and secure element control<br>If this option is off, the appearance of NFC settings will be the original Google&apos;s one. | 1.Yes/No | Y |
| MTK_NFC_GSMA_SUPPORT | this FO is for turn on/off  the MTK NFC solution which supoort of the GSMA NFC Handset requirement. | 1.Yes/No | Y |
| MTK_NFC_HCE_SUPPORT | Enable NFC Host-based Card Emulation | 1.Yes/No | N |
| MTK_NFC_MT6605 | no: support NFC<br><br>[dependency_relationship]: yes: support NFC | 1.Yes/No | N/A |

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| MTK_NFC_OMAAC_SUPPORT | If the option is yes, OpenMobileAPI & Access Controll is supported. Access Control solution is GPAC.<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_NFC_PACKAGE | this FO defines mtk nfc solution use which NFC stack | 4.Select | Y |
| MTK_NFC_SE_NUM | We use this option (MTK_NFC_SE_NUM) to know the number of secure elements and the type of secure elements for the projects with NFC<br>[dependency_relationship]: no | 4.Select | N/A |
| MTK_NFC_SUPPORT | Enable or disable NFC.<br><br>[dependency_relationship]: N/A | 1.Yes/No | Y |
| MTK_NLP_SUPPORT | mtk nlp proxy feature to support auto switch NLP or multiple NLP support. | 1.Yes/No | N |
| MTK_NO_NEED_USB_LED | remove LED ON when USB plug in<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_NO_TRAN_ANIM | Support switch off application transition animation<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_NTFS_OPENSOURCE_SUPPORT | add open source ntfs-3g to support ntfs u-disk/sdcard | 1.Yes/No | N |
| MTK_NUM_MODEM_PROTOCOL | for sync multi-SIM config between AP and MD | 4.Select | Y |
| MTK_NVCONFIG_PARTITION_SUPPORT | A MTK proprietary nvram partition for applications saving their configurations in order to keep data after factory-reset. | 1.Yes/No | N |
| MTK_NVRAM_SECURITY | 1. This option is for moto nvram security 2. all project is set to &quot;no&quot; except project mt6577_evb_mt,mt6577_phone_mt,moto77_ics<br>[dependency_relationship]: No | 1.Yes/No | N |
| MTK_O2_ENTITLEMENT_SUPPORT | O2 Specific Entitlement Support Feature which can be configured by customer | 1.Yes/No | Y |
| MTK_OAT_ON_SDCARD_SUPPORT | GMO new feature for move oat 2 SD card | 1.Yes/No | Y |
| MTK_OD_SUPPORT | This feature option turns on/off MTK LCD OverDrive functionality. | 1.Yes/No | Y |
| MTK_OGG_RECORD_SUPPORT | support ogg recording feature<br>phone has phase out | 1.Yes/No | N |
| MTK_OGM_PLAYBACK_SUPPORT | enable/disable ogm and mtkps playback feature<br><br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_OMACP_SUPPORT | It is the feature option of a apk called Omacp whose source code path is: alps/mediatek/source/packages/Omacp. OMA CP is Client Provisioning, and it is used to modify the application&apos;s settings over push message usually from the operator, such as browse<br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_OMADRM_SUPPORT | Enable or disable the OMA DRM feature this feature is implemented according to OMA DRM specification.<br>If Yes then OMA DRM is enabled;<br>If No then OMA DRM is disabled.<br>Default value is yes. | 1.Yes/No | Y |
| MTK_OMA_DOWNLOAD_SUPPORT | This option is used to enable or disable OMA download feature in our device. If this feature option is enable, the device can support OMA download. If this feature option is disable, the device do not support OMA download.<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_ONLY_OWNER_SIM_SUPPORT | MTK_ONLY_OWNER_SIM_SUPPORT=yes, means it will enable MTK Multiuser for 3gdata_sms solution.<br>[dependency_relationship]: If MTK_ONLY_OWNER_SIM_SUPPORT=yes, we must set MTK_SHARED_SDCARD = yes | 1.Yes/No | N/A |
| MTK_OOBE_APP | set MTK_OOBE_APP=yes in the load which not install GMS.<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_OP07_DIAG_SUPPORT | This feature option enables Modem Diagnostics Interface agent shared library which provides modem and device statistics to the operator. | 1.Yes/No | N |

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| MTK_OTG_PMIC_BOOST_5V | The OTG 5V source of k95_dsda with 6332 E2 is defferent from mt6595_phone_v1. Need a compiler option to distinguish the code flow. | 1.Yes/No | N |
| MTK_OVERLAY_ENGINE_SUPPORT | Implement overlay engine for multiple application to share overlay HW. [dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_OVERRIDES_APKS | Control use MTK override APK or AOSP original APK. Yes: means use MTK override APK No: means use AOSP original APK Default: Yes | 1.Yes/No | Y |
| MTK_OWNER_SDCARD_ONLY_SUPPORT | MTK_OWNER_SDCARD_ONLY_SUPPORT =yes, means it will enable MTK Multiuser for External SDcard solution. [dependency_relationship]: If MTK_ONLY_OWNER_SIM_SUPPORT=yes, we must set  MTK_SHARED_SDCARD = yes | 1.Yes/No | N/A |
| MTK_PARTITION_TABLE_PLAIN_TEXT | yes:support yaml partition table no:support xls format partition table [dependency_relationship]: MTK_NEW_PARTITION_TABLE should be turned on when MTK_PARTITION_TABLE_PLAIN_TEXT=yes. | 1.Yes/No | N/A |
| MTK_PASSPOINT_R2_SUPPORT | Support Passpoint R2 (Hotspot 2.0 R2) | 1.Yes/No | Y |
| MTK_PCA9575A_SUPPORT | To support GPIO Extended chip PCA9575A | 1.Yes/No | Y |
| MTK_PCB_BATTERY_SENSOR | This feature option turns on/off the corresponding driver of a on-PCB thermistor. This feature option is PCB design dependent. Turning on this feature option without correspondent on-PCB thermistor is undefined. | 1.Yes/No | Y |
| MTK_PCM_RECORD_SUPPORT | if the config is yes, we will support pcm record phone will not support this feature | 1.Yes/No | N |
| MTK_PERFSERVICE_SUPPORT | Support PerfService [dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_PERMISSION_CONTROL | When this option is set to "yes", "MTK In House permission control" package will be built and the related UI in settings will be added in [dependency_relationship]: if MTK_PERMISSION_CONTROL= yes, the MTK_MOBILE_MANAGEMENT must be set as yes | 1.Yes/No | Y |
| MTK_PERSIST_PARTITION_SUPPORT | The option is to support persist partition | 1.Yes/No | Y |
| MTK_PHONE_CALL_FIXED_48K_SAMPLERATE | Audio driver support 48000 Hz sample rate for phone call | 1.Yes/No | Y |
| MTK_PHONE_VOICE_RECORDING | Enable voice recording function [dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_PHONE_VT_MM_RINGTONE | Enable video multimedia ringtone feature for 3G324M VT [dependency_relationship]: If OPTR_SPEC_SEG_DEF = OP01_SPEC0200_SEGC and MTK_VT3G324M_SUPPORT=yes, then MTK_PHONE_VT_MM_RINGTONE = yes; if OPTR_SPEC_SEG_DEF!= OP01_SPEC0200_SEGC or MTK_VT3G324M_SUPPORT=no, then MTK_PHONE_VT_MM_RINGTONE = no | 1.Yes/No | N/A |
| MTK_PHONE_VT_VOICE_ANSWER | Enable answer by voice call feature for 3G-324M Video Telephony. Answer by voice call is a OP01 feature and the user can answer a video call by voice call. [dependency_relationship]: If OPTR_SPEC_SEG_DEF = OP01_SPEC0200_SEGC and MTK_VT3G324M_SUPPORT=yes, then MTK_PHONE_VT_VOICE_ANSWER = yes; if OPTR_SPEC_SEG_DEF!= OP01_SPEC0200_SEGC or MTK_VT3G324M_SUPPORT=no, then MTK_PHONE_VT_VOICE_ANSWER = no | 1.Yes/No | N/A |
| MTK_PLATFORM | Define hardware platfrom [dependency_relationship]: no,can not be modify | 2.Text | N |
| MTK_PLATFORM_OPTIMIZE | Support IC effuse check [dependency_relationship]: no | 1.Yes/No | N |

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| MTK_PLAYBACK_60FPS_TO_30FPS | 60fps to 30fps support for MTK android BOX.<br><br>8127 BOX project with 60fps to 30fps feature will use this option to separate with others.<br><br>Add a line to alps/mediatek/config/common/ProjectConfig.mk<br><br>MTK_PLAYBACK_60FPS_TO_30FPS = no<br><br>Append MTK_PLAYBACK_60FPS_TO_30FPS to AUTO_ADD_GLOBAL_DEFINE_BY_NAME<br><br>At this moment, we use Virtual branch for developi<br><br>ng. So KK.MP10 branch keeps the option to be not opened<br><br>(but in our virtual branch it opened). | 1.Yes/No | Y |
| MTK_PLAYREADY_SUPPORT | PlayReady feature is a secure video playback feature based on TEE<br><br>It include SVP(secure video path) based on TEE ,and PlayReady solution(secure video decryption function) provided by 3rd party(Discretix)<br><br>=yes means PlayReady feature is supported<br><br>=no means PlayReady feautre is not supported | 1.Yes/No | Y |
| MTK_PMIC_MT6397 | select PMIC MT6397 | 1.Yes/No | Y |
| MTK_PM_STATS_SUPPORT | Support kernel suspend/resume statistics inquiry<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_POST_PROCESS_FRAMEWORK_SUPPORT | Use this option to enable post processing framework with software de-interlacing feature | 1.Yes/No | N |
| MTK_POWER_EXT_DETECT | this options is for 71 EVB & Phone share load use<br> if enable, the load can be shared between phone and evb<br> for internal use only, for customer's project, need to be off.<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_POWER_PERFORMANCE_STRATEGY_SUPPORT | Provide power and performance select by customer | 1.Yes/No | Y |
| MTK_PQ_COLOR_MODE | DISP: enable DISP COLOR<br>MDP: enable MDP COLOR<br>DISP_MDP: enable both DISP COLOR and MDP COLOR<br>OFF: disable COLOR feature<br><br>[dependency_relationship]: no | 4.Select | Y |

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|---|---|---|---|
| MTK_PQ_SUPPORT | PQ_HW_VER_1: enable PQ sharpness feature (mt6589)<br><br>PQ_HW_VER_2: enable PQ sharpness feature (other chips)<br><br>PQ_OFF: disable PQ PQ sharpness feature<br><br><br>[dependency_relationship]: no | 2.Text | N/A |
| MTK_PRIVACY_PROTECTION_LOCK | Support CTA Level 3 requirement for 2 feature set<br>1)remote screen lock<br>2)remote user date erase<br>Implement by SMS | 1.Yes/No | Y |
| MTK_PRODUCER_PARTIAL_UPDATE_SUPPORT | producer partial update feature option, if enabled, means GPU will draw with buffer damaged mode, just draw dirty part, can save GPU/DRAM power in some scenarios.<br>Will landing on Olympus and later chips | 1.Yes/No | Y |
| MTK_PRODUCT_INFO_SUPPORT | This feature is designed for customer to store product info file to a new nvram parititon.<br>[dependency_relationship]: No | 1.Yes/No | Y |
| MTK_PROTOCOL1_RAT_CONFIG | The current configuration of feature option to build suitable 3M/4M/5M/6M is complex.<br><br>In order to reduce the following option,<br>MTK_WORLD_PHONE<br>MTK_LTE_SUPPORT<br>MTK_C2K_SUPPORT<br>MTK_C2K_OM_MODE<br>MTK_SVLTE_LCG_SUPPORT<br>, this new option is used instead.<br>It express the max supported capability of protocol stack 1 of this load.<br><br>For example<br>set MTK_PROTOCOL1_RAT_CONFIG = {RAT}<br>in project config -<br>{RAT} could be<br>Lf/Lt/W/T/G // 5M<br>Lf/Lt/W/G // 4M<br>Lt/T/G // 3M<br>C/Lf/Lt/W/T/G // 6M<br>C/Lf/Lt/W/G // 5M<br>C/Lf/Lt/G // 4M<br>C/W/G // 3M<br>, then we have more easy way to configure and build the specified load.<br><br>note:<br>The originally name is MTK_RAT_CONFIG.<br>To support L+W projects and avoid mistake, it renames as<br>MTK_PROTOCOL1_RAT_CONFIG<br>for protocol stack 1 configuration<br><br>wiki page http://wiki/display/WCDACF/MTK_RAT_CONFIG | 4.Select | Y |
| MTK_PROTOCOL2_RAT_CONFIG | to config MD1 protocol 2 capability | 4.Select | Y |

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| MTK_PROTOCOL3_RAT_CONFIG | For SIM slot 3 protocol stack configuration | 4.Select | Y |
| MTK_PUMP_EXPRESS_PLUS_20_SUPPORT | if MTK_PUMP_EXPRESS_PLUS_20_SUPPORT is defined, enable pump express plus 20 feature , Otherwise, disable the pump express plus 20 feature. | 1.Yes/No | Y |
| MTK_PUMP_EXPRESS_PLUS_30_SUPPORT | if MTK_PUMP_EXPRESS_PLUS_20_SUPPORT is defined, enable pump express plus 20 feature , Otherwise, disable the pump express plus 20 feature. | 1.Yes/No | Y |
| MTK_PUMP_EXPRESS_PLUS_SUPPORT | if MTK_PUMP_EXPRESS_PLUS_SUPPORT is defined, enable pump express plus feature , Otherwise, disable the pump express plus feature. | 1.Yes/No | Y |
| MTK_PUMP_EXPRESS_SUPPORT | if MTK_PUMP_EXPRESS_SUPPORT is defined, enable pump express feature , Otherwise, disable the pump express feature. | 1.Yes/No | Y |
| MTK_QOS_SUPPORT | To enable or disable QOS feature | 1.Yes/No | N |
| MTK_QQBROWSER_SUPPORT | Decide whether to pre-build 3rd party app QQBrowser or not. [dependency_relationship]: no | 1.Yes/No | Y |
| MTK_QVGA_LANDSCAPE_SUPPORT | This is a legacy feature for MT6516 projects. MT6573 projects do NOT support it, and it should always be set to "no". [dependency_relationship]: no | 2.Text | N |
| MTK_RADIOOFF_POWER_OFF_MD | MTK_RADIOOFF_POWER_OFF_MD=yes means to turn off modem when radio off MTK_RADIOOFF_POWER_OFF_MD=no means not to turn off modem when radio off<br><br>This option only works for DualTalk project.<br><br>[dependency_relationship]: ifeq (yes, $(strip $(MTK_SIM_HOT_SWAP)))<br>  ifneq (no, $(strip $(Add MTK_RADIOOFF_POWER_OFF_MD)))<br>    $(call dep-err-ona-or-offb, MTK_RADIOOFF_POWER_OFF_MD, MTK_SIM_HOT_SWAP)<br>  endif<br>endif | 1.Yes/No | Y |
| MTK_RAT_BALANCING | This feature options is for AT&T requirement , to support ENS RAT Balancing feature.<br><br>[dependency_relationship]: Yes. If OPTR_SPEC = OP07 (AT&T) , then this feature shall be enabled. | 1.Yes/No | Y |
| MTK_RAT_WCDMA_PREFERRED | This feature option is to define if we support features for RAT WCDMA PREFERRED network mode MTK_RAT_WCDMA_PREFERRED = yes means that RAT WCDMA PREFERRED network mode is enabled in current project, vice versa [dependency_relationship]: No dependency | 1.Yes/No | Y |

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| MTK_RAWFS_NAND_SUPPORT | This feature is for NAND Flash only. The purpose of RAWFS is reducing the size of the protect partitions (protect_f & protect_s). The protect partition is used to save important MD data, such as SIM-ME-Lock. By enabling this feature, the system will replace two YAFFS2 partitions with one RAWFS partition. For 4KB page NAND Flash memory, enable this feature will save around 5.5MB of Flash space.<br><br>Important Notice:<br><br>1. Switching this feature changes the partition layout, which requires format whole flash before download.<br><br>2. This feature should be disabled, if customers had already used protect partition as the storage of other data. | 1.Yes/No | Y |
| MTK_RCS_SUPPORT | Add build option for feature CMCC RCS support. | 4.Select | Y |
| MTK_RCS_UA_SUPPORT | Enable RCS UA Support oprtion | 1.Yes/No | Y |
| MTK_REBOOT_META_SUPPORT | This feature is requested from OPPO, and we will also apply the change to trunk. OPPO request to dial special char in dialer to reboot target to meta mode. So we want to request the feature option MTK_REBOOT_META_SUPPORT to switch this feature. In default, set as no to disable this feature.<br>If customer want to use this function, they need to modify the ProjectConfig.mk to set as yes. | 1.Yes/No | N |
| MTK_REGIONALPHONE_SUPPORT | MTK_REGIONALPHONE_SUPPORT=yes, means regional phone feature will be enabled<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_RELEASE_PACKAGE | Define release package for differernt codebase of different customer.(Different customer may get different number of source files)<br>[dependency_relationship]: no | 2.Text | N |
| MTK_RESOLUTION_SWITCH_SUPPORT | resolution switch feature support | 1.Yes/No | Y |
| MTK_RESOURCE_OPTIMIZATION | Hongwei Wang<br>[dependency_relationship]: | 2.Text | N/A |
| MTK_RILD_READ_IMSI | If MTK_RILD_READ_IMSI=yes, rild will try to read IMSI during initialization<br>If MTK_RILD_READ_IMSI=no, rild will not try to read IMSI<br>[dependency_relationship]: no | 2.Text | N/A |
| MTK_RIL_MODE | To decide RILD mode | 4.Select | N |
| MTK_ROTATION_OFFSET_SUPPORT | add the in-house GPU pre-rotation feature | 1.Yes/No | N |
| MTK_RSDM_APP | if MTK_RSDM_APP is yes,need to build "rsdm.apk"<br>[dependency_relationship]: MTK_DM_APP and MTK_RSDM_APP is mutual exclusion FeatureOption, only one can be open. | 1.Yes/No | N/A |
| MTK_RTP_OVER_RTSP_SUPPORT | use to enable/disable rtp over rtsp feature<br>[dependency_relationship]: no | 2.Text | Y |
| MTK_RTT_SUPPORT | The option is used to configure TMO-US RTT (Real Time Text) feature. | 1.Yes/No | Y |
| MTK_RUNNING_BOOSTER_DEFAULT_ON | MTK_RUNNING_BOOSTER_DEFAULT_ON= yes : Running Booster (Simple Task Mode)  UI on/off switch status is on<br><br>MTK_RUNNING_BOOSTER_DEFAULT_ON = no : Running Booster (Simple Task Mode)  UI on/off switch status is off | 4.Select | N |

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| MTK_RUNNING_BOOSTER_SUPPORT | MTK_RUNNING_BOOSTER_SUPPORT = yes : Support Running Booster (Simple Task Mode) feature<br><br>MTK_RUNNING_BOOSTER_SUPPORT = no : NOT Support Running Booster (Simple Task Mode)  feature | 1.Yes/No | N |
| MTK_RUNNING_BOOSTER_UPGRADE | MTK_RUNNING_BOOSTER_UPGRADE = yes : Allow Running Booster (Simple Task Mode)  APK on-line upgrade<br><br>MTK_RUNNING_BOOSTER_SUPPORT = no : Deny Running Booster (Simple Task Mode) APK on-line upgrade | 1.Yes/No | N |
| MTK_RUNTIME_PERMISSION_SUPPORT | Feature option for MTK&apos;s implementation of runtime permission. (Runtime permission will only apply on 3rd party apps) | 1.Yes/No | Y |
| MTK_SCOMO_ENTRY | Entry switch of SCOMO<br>[dependency_relationship]:<br>IF  MTK_SMSREG_APP = no<br>THEN  MTK_DM_APP = no<br><br>IF MTK_DM_APP = no<br>    MTK_SCOMO_ENTRY = no<br><br>IF  MTK_FOTA_SUPPORT = no  or MTK_DM_APP = no<br>THEN    MTK_FOTA_ENTRY = no | 1.Yes/No | Y |
| MTK_SCREEN_OFF_WIFI_OFF | When this feature option is set to true, disable Wi-Fi immediately after user press power key to turn screen off<br>[dependency_relationship]: no | 2.Text | N/A |
| MTK_SDIOAUTOK_SUPPORT | This feature option is used to enable SDIOAutoKService<br>LTE driver can take advantage of SDIOAutoKService to invoke auto-K process.<br>Auto-K process can also use SDIOAutoKService to do File IO<br>yes: Support SDIOAutoKService<br>no: Not support SDIOAutoKService<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_SEARCH_DB_SUPPORT | It is used to control database operation for contacts and call log search, and shared by both Java code and native code.<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_SEC_MODEM_AUTH | If this feature is enabled, then only trusted modem load can be booted up<br>Description of option value: (1) yes : target will authenticate it at boot time (2) no : target won't verify modem load<br>[dependency_relationship]: If MTK_SEC_MODEM_AUTH is yes, MTK_SEC_MODEM_ENCODE should be yes as well, and only when both are yes, the modem image will be signed. | 1.Yes/No | Y |
| MTK_SEC_MODEM_ENCODE | If this feature is enabled, modem load will be encrypted  Description of option value: (1) yes : modem image will be encrypted at build time (2) no : modem image won't be encrypted<br>[dependency_relationship]:  if MTK_SECURITY_SW_SUPPORT = "no" , then it won't be encrypted. | 1.Yes/No | Y |

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| MTK_SEC_MODEM_NVRAM_ANTI_CLONE | This option is used to enable modem NVRAM anti-clone functionality<br>[dependency_relationship]: yes<br>If this option is turned on, the modem part should also turn on for the following setting<br>1. Modem project file<br>CUSTOM_OPTION += __NVRAM_BIND_TO_CHIP_CIPHER__<br>2. by default, only two LID is defaulted has MSP attribute<br>(1)NVRAM_EF_SML_LID<br>(2)NVRAM_EF_SIM_LOCK_LID<br>3. if want to turn on specific LID, please add attribute NVRAM_ATTR_MSP | 1.Yes/No | Y |
| MTK_SEC_SECRO_AC_SUPPORT | to enable modem secro support MTK_SEC_SECRO_AC_SUPPORT yes : enable modem secro support no : disable modem secro support<br>[dependency_relationship]: No | 1.Yes/No | N |
| MTK_SEC_VIDEO_PATH_SUPPORT | support MTK Secure Video Path<br>[dependency_relationship]: if MTK_SEC_VIDEO_PATH_SUPPORT = yes then<br>　MTK_IN_HOUSE_TEE_SUPPORT must be set to yes, or<br>　TRUSTONIC_TEE_SUPPORT must be set to yes | 1.Yes/No | N/A |
| MTK_SEC_WFD_VIDEO_PATH_SUPPORT | Support secure WFD video path<br>[dependency_relationship]: If yes, following options should beyes:MTK_WFD_HDCP_TX_SUPPORT;MTK_SEC_VIDEO_PATH_SUPPORT;MTK_IN_HOUSE_TEE_SUPPORT | 1.Yes/No | N/A |
| MTK_SEND_RR_SUPPORT | support send read report when received a mms with replying read report request.<br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_SENSORS_1_0 | Use to control the open/close new sensor arch in Android O. | 1.Yes/No | N |
| MTK_SENSOR_BIO | sensor boost io transfer flow, new sensor arch | 1.Yes/No | N |
| MTK_SENSOR_HUB_SUPPORT | For switching sensor hub feature<br>Yes: enable feature<br>No:disable feature | 1.Yes/No | N |
| MTK_SENSOR_SUPPORT | sensor config to sensor port sensor feature in project<br>[dependency_relationship]: If MTK_SENSOR_SUPPORT=yes<br>CUSTOM_HAL_SENSORS=sensors must be set | 1.Yes/No | Y |
| MTK_SHARED_SDCARD | sdcard will be a folder of /data<br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_SHARE_MODEM_CURRENT | Extend our Gemini feature to support daul RIL with single modem logistic.<br><br>[dependency_relationship]: If MTK_SHARE_MODEM_SUPPORT = 2, then MTK_SHARE_MODEM_CURRENT = 2 or 1 | 4.Select | N/A |
| MTK_SHOW_MSENSOR_TOAST_SUPPORT | this feature is used for notification when Msensor accuracy is not good in the situation that user is using a m-sensor related APK. a toast will be showen when m-sensor accuracy is not good once<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_SIGNATURE_CUSTOMIZATION | A mechanism for customer to enable their own sign key.<br>[dependency_relationship]: no | 2.Text | Y |
| MTK_SIGNMODEM_SUPPORT | A mechanism for customer to enable sign modem action<br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_SIM1_SOCKET_TYPE | description =MTK_SIM1_SOCKET_TYPE=1: support SIM type 1 socket type<br>[dependency_relationship]: no | 2.Text | Y |
| MTK_SIM2_SOCKET_TYPE | description =MTK_SIM1_SOCKET_TYPE=1: support type 1 socket type<br>[dependency_relationship]: no | 2.Text | Y |
| MTK_SIM_HOT_SWAP | This option is used to specify SIM Hot Swap is supported or not<br>[dependency_relationship]: no | 1.Yes/No | N/A |

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| MTK_SIM_HOT_SWAP_COMMON_SLOT | For SIM hot swap feature with common slot HW design.<br>[dependency_relationship]: yes. MTK_SIM_HOT_SWAP_COMMON_SLOT is based on MTK_SIM_HOT_SWAP, so MTK_SIM_HOT_SWAP shall also be enabled. | 1.Yes/No | N |
| MTK_SIM_LOCK_POWER_ON_WRITE_PROTECT | Enable/Disable the power on write protect for SIM ME Lock.<br><br>If yes, the protect2 partition which stores SIM lock data will be write protected via using EMMC power on write protect feature. The protection will be applied in normal boot mode.<br>If no, the protect2 partition which stores SIM lock data will not be write protected. The protection will be applied in normal boot mode. | 1.Yes/No | Y |
| MTK_SIM_RECOVERY | This feature option is to define if we support features for SIM Recovery<br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_SINA_WEIBO_SUPPORT | Decide whether to pre-build 3rd party app Sina Weibo or not.<br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_SINGLE_3DSHOT_SUPPORT | Control snigle cam 3d capture support or not | 1.Yes/No | N/A |
| MTK_SINGLE_BIN_MODEM_SUPPORT | Pack related modem images into one binary, such as modem binary, modem database, modem filter, mdm layout and modem debug bin | 1.Yes/No | Y |
| MTK_SINGLE_IMEI | yes: show one IMEI string on signle talk project<br><br>no: show multiple IMEI strings on multiple SIM card<br><br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_SLC_BUFFER_SUPPORT | For enable SLC buffer Method for MLC/TLC NAND on Rainier | 1.Yes/No | Y |
| MTK_SLOW_MOTION_VIDEO_SUPPORT | Enable &quot;Slow motion video&quot; feature on mt6592_phone_turbo on KK1.MP1 for feature release to customer.<br><br>This feature will enable recording with 720p@60fps<br><br>and playback with slow speed. | 1.Yes/No | Y |
| MTK_SMARTBOOK_SUPPORT | Smartbook feature enables phone to connect with a smartbook device. A smartbook device is something like a notebook,<br>it has screen, keyboard, touchpad, speaker, dual usb port, led light, yet it doesn't have a internal storage, ram or CPU.<br>Once smartbook-feature-enabled phone is connected to a smartbook, all content on phone screen is shown on smartbook screen,<br>and user can operate the phone via smartbook's keyboard, touchpad or plugged usb mouse. | 1.Yes/No | Y |
| MTK_SMARTPA_DUMMY_LIB | SmartPA dummy library for smartPA and other features in DSP concurrency | 1.Yes/No | Y |
| MTK_SMARTSWITCH_SUPPORT | enhance Gemini data connection behavior<br>[dependency_relationship]: no | 1.Yes/No | N |
| MTK_SMSREG_APP | if MTK_SMSREG_APP=yes,build SmsReg.apk<br>[dependency_relationship]: if MTK_SMSREG_APP = no, MTK_DM_APP must not be set as "yes" | 1.Yes/No | N/A |
| MTK_SMS_NATIONAL_LANGUAGE_SUPPORT | Enable National language coding<br>[dependency_relationship]: no | 2.Text | N |
| MTK_SMS_TURKISH_TABLE_ALWAYS_SUPPORT | Enable Turkish language coding<br>[dependency_relationship]: no | 2.Text | N |
| MTK_SMT_SUPPORT | use to check if need parse meta DFO value, which is only used in SMT load<br>[dependency_relationship]: no | 1.Yes/No | N/A |

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| MTK_SOTER_SUPPORT | ?????? <br><br> yes - enable <br> no - disable <br><br> ??FED: FED_00000285,??????API?? | 1.Yes/No | Y |
| MTK_SPECIAL_FACTORY_RESET | When enable, executing factory reset will preserve the data in /data/app/ <br><br> [dependency_relationship]: no | 1.Yes/No | Y |
| MTK_SPECIFIC_SM_CAUSE | Feature option to contril if reporting specific SM rject cause to framework from RIL <br> [dependency_relationship]: YES | 1.Yes/No | Y |
| MTK_STREAMING_VIDEO_SUPPORT | This feature option is for Videos streaming content, which is MTK cooperating with third party like Letv to add 16 movies in Video Player. If Yes, means the Videos supporting 3rd party streaming video. If No, means the Videos is default. <br> [dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_SUBTITLE_SUPPORT | Gallery video display can support internal / external subtitle <br> yes: Support subtitle display <br> no: Does not support subtitle display <br> [dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_SUPPORT_TC1_TUNNING | lge tunning feature | 1.Yes/No | N/A |
| MTK_SVP_64BIT_SUPPORT | Support 64bit secure memory addressing | 1.Yes/No | N/A |
| MTK_SWABF_SUPPORT | Switch to enable or disable Software Anti-Blooming Filter | 1.Yes/No | Y |
| MTK_SWCHR_SUPPORT | MTK_SWCHR_SUPPORT=yes means support MTK switching charger solution (need HW support) <br> [dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_SWIP_WMAPRO | Support tablet wma-pro playback <br> [dependency_relationship]: MTK_SWIP_WMAPRO=yes only when MTK_ASF_PLAYBACK_SUPPORT=yes | 1.Yes/No | N/A |
| MTK_SYSTEM_UPDATE_SUPPORT | MTK_SYSTEM_UPDATE_SUPPORT = yes, means the feature of supporting end users to do firmware upgrade by OTA is enabled <br> [dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_TABLET_HARDWARE | Change tablet machine name shown in user apk such as Antutu. <br><br> If MTK_TABLET_HARDWARE is set to mt8389 on mt6589 platform, machine name displayed on Antutu will be shown as mt8389. | 2.Text | N |
| MTK_TABLET_PLATFORM | use MTK_TABLET_PLATFORM to set tablet chip name. ex. MT8735A, MT8765 etc. | 2.Text | N |
| MTK_TABLET_PLUGIN_BUILD | Control tablet plugin build or not. <br> [dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_TABLET_TS_ENHANCEMENT | on tablet,some special ts(PTS jump,multiprogram) which phone will not support,need error handle | 1.Yes/No | Y |
| MTK_TB_APP_CALL_FORCE_SPEAKER_ON | Force speaker on while make a call or accept a call on tablet <br> [dependency_relationship]: no | 1.Yes/No | Y |
| MTK_TB_APP_LANDSCAPE_SUPPORT | it adds for supporting the tablet application to display UI layout in landscape mode <br> [dependency_relationship]: no | 1.Yes/No | N/A |

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| MTK_TB_WIFI_3G_MODE | 1. wifi_only : only supports WIFI, not support 2G/3G Data link,<br>2. 3gdata_only: supports WIFI & 3G data link, but not support 3G telephony & sms functions,<br>3. 3gdata_sms: supports WIFI, 3G data link, & 3G sms, but not support telephony function,<br>4. 3g_full<br>[dependency_relationship]: no | 2.Text | Y |
| MTK_TC1_FEATURE | this is feature for LGE legacy feature porting on KK | 1.Yes/No | N |
| MTK_TC9_FEATURE | for tc9sp | 1.Yes/No | N |
| MTK_TDD_DATA_ONLY_SUPPORT | this is the switch for CT 4G single data only. | 1.Yes/No | N |
| MTK_TEE_GP_SUPPORT | Support Global Platform for SVP | 1.Yes/No | N/A |
| MTK_TEE_SUPPORT | This feature option is used to indicate if secure OS is support or not<br><br>(Which secure OS to support is defined by another feature option) | 1.Yes/No | Y |
| MTK_TEE_TRUSTED_UI_SUPPORT | The Trusted User Interface (TUI) feature in <t-base allows a TEE to interact directly with the user via the common display and touch screen. <t-base temporarily protects those using TrustZone.<br>The main objective of the TUI is to protect the confidentiality and integrity of the information exchanged between a Trusted Application and the user against the NWd OS (Android) | 1.Yes/No | Y |
| MTK_TELEPHONY_BOOTUP_MODE_SLOT1 | Define the initial telephone mode of sim slot 1 for startup, and this mode could switch at specific situation after boot up.<br>0 : Cdma<br>1 : Gsm<br>2 : Wcdma<br>3 : Tdcdma | 3.Number | Y |
| MTK_TELEPHONY_BOOTUP_MODE_SLOT2 | Define the initial telephone mode of sim slot 1 for startup, and this mode could switch at specific situation after boot up.<br>0 : Cdma<br>1 : Gsm<br>2 : Wcdma<br>3 : Tdcdma | 3.Number | Y |
| MTK_TELEPHONY_CONN_LOG_CTRL_SUPPORT | The option is used to check if we enable the common log controller for telephony and connectivity framework/RIL log. | 1.Yes/No | Y |

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| MTK_TELEPHONY_FEATURE_SWITCH_DYNAMICALLY | We support telephony feature option able to switch dynamically. For example, you can build a 6M project and switch to 5M via mediatek tools.<br><br>Remember!! You need to build the super scope feature set project, ex. 6M, and you can switch to lower scope feature set. You can never switch from 5M project to 6M project if you only build 5M project package.<br><br>Now, we only support the following feature set can be switched dynamically.<br>1. Radio access technology setting.<br> - CDMA2000 / FDD LTE / TDD LTE / WCDMA / TDSCDMA / GSM<br> - CDMA2000 / FDD LTE / TDD LTE / WCDMA / GSM<br> - CDMA2000 / FDD LTE / TDD LTE / GSM<br> - CDMA2000 WCDMA / GSM<br> - FDD LTE / TDD LTE / WCDMA / TDSCDMA / GSM<br> - FDD LTE / TDD LTE / WCDMA / GSM<br> - FDD LTE / TDD LTE / TDSCDMA / GSM<br> - TDD LTE / TDSCDMA / GSM<br>2. Multiple SIM setting<br> - Single SIM single standby<br> - Dual SIM dual standby | 1.Yes/No | N |
| MTK_TELEPHONY_MODE | MTK_FLIGHT_MODE_POWER_OFF_MD is used to control if modem is powered off when entering flight mode MTK_TELEPHONY_MODE is used for specify current telephony mode MTK_FIRST_MD is used to specify the high priority modem [dependency_relationship]: yes | 3.Number | Y |
| MTK_TELSTRA_PDP_RETRY_SUPPORT | The customer has a requirement from the operator to change the Timer configuration whenever PDP context rejected by the N/W. | 1.Yes/No | Y |
| MTK_TEMPORARY_DATA_SUPPORT | For OM/OP01 requirement, when user enabled a temporary data switch. We can auto select suitable SIM card to browser internet for them. | 1.Yes/No | N |
| MTK_TENCENT_MOBILE_MANAGER_NORMAL_SUPPORT | Decide whether to pre-build 3rd party app Tencent mobile manager(normal version) or not.<br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_TENCENT_MOBILE_MANAGER_SLIM_SUPPORT | Decide whether to pre-build 3rd party app Tencent mobile manager(slim version) or not.<br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_TER_SERVICE | MTK_TER_SERVICE option is for enabling the Telephony Early Read (TER) Service.<br>Default value is no. (set in common)<br>Specific project will turn on by its need.<br>[dependency_relationship]: if MTK_REGIONALPHONE_SUPPORT=no, MTK_TER_SERVICE can only be no. | 1.Yes/No | N/A |
| MTK_TETHERINGIPV6_SUPPORT | support tethering over ipv6<br>[dependency_relationship]: No | 1.Yes/No | Y |
| MTK_TETHERING_EEM_SUPPORT | support tethering over eem in Linux or MacOS PC<br>[dependency_relationship]: no | 1.Yes/No | N |
| MTK_THERMAL_PA_VIA_ATCMD | Internal switch for thermal management to query modem RF temperature via AT command. | 1.Yes/No | N |
| MTK_THUMBNAIL_OPTIMIZATION | For thumbnail performance enhancement.<br><br>For example, codec driver would return output buffer right after decoding is done while in thumbnail mode; rather than keep it for decoding next frame in normal playback. It could reduce display time of thumbnail. | 1.Yes/No | N |

| | | | |
|---|---|---|---|
| MTK_TINYSYS_SCP_SUPPORT | Tinysys SCP support<br>When we need to run applications in system coprocessor, we need to set it yes to build up the tinysys. e.g. sensor hub, vow, MP3, FLP | 1.Yes/No | N |
| MTK_TINYSYS_SSPM_SUPPORT | Tinysys SSPM support<br>When we need to control power state in a more efficiency way with system coprocessor, we need to set it yes to build up the tinysys. e.g. suspend, deepidle, sodi | 1.Yes/No | N |
| MTK_TINY_UTIL | MTK_TINY_UTIL='yes' means enable MTK swap utility.<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_TLC_NAND_SUPPORT | for enable TLC support on tablet MT8163 | 1.Yes/No | Y |
| MTK_TLC_SLC_RATIO | for setting SLC ratio on MT8163 TLC feature | 3.Number | Y |
| MTK_TMP103_SUPPORT | This is a special Feature Option to turn on/off two on PCB thermistor TMP103 on K89 phone.<br>This Feature Option is PCB and platform dependent.<br>Turning on this Feature Option on platform other than MT6589 and projects other than K89 is undefined. | 1.Yes/No | Y |
| MTK_TOUCH_BOOST | enable/disable perfservice when touch panel | 1.Yes/No | Y |
| MTK_TPS61280_SUPPORT | TPS61280 boost IC support<br>Yes to support TPS61280<br>No to not support TPS61280 | 1.Yes/No | Y |
| MTK_TTY_SUPPORT | For TTY function enable option.<br>[dependency_relationship]: if MTK_TTY_SUPPORT =yes, the modem side:CTM_SUPPORT must be set TRUE | 1.Yes/No | N/A |
| MTK_UART_USB_SWITCH | Support share USB DP/DM as UART TX/RX.<br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_UCE_SUPPORT | Presence feature to support RCS/ViLte/VoLte features | 1.Yes/No | Y |
| MTK_UFS_BOOTING | Support UFS booting or not. | 1.Yes/No | Y |
| MTK_UFS_OTP | Supoort One-Time-Programming (OTP) feature in UFS storage device.<br><br>[dependency_relationship]:<br>If MTK_UFS_OTP is yes,<br>MTK_UFS_BOOTING must be yes | 1.Yes/No | Y |
| MTK_ULTRA_DIMMING_SUPPORT | Supper dimming feature allow user to adjust backlight more darkness. ( need enable AAL_SUPPORT) | 1.Yes/No | Y |
| MTK_USB_AUDIO_SUPPORT | USB Audio Function Enable Flag<br>[dependency_relationship]: No | 1.Yes/No | N/A |
| MTK_USB_CBA_SUPPORT | As TD Spec Requirements, First using usb, need active it by SIM | 1.Yes/No | Y |
| MTK_USB_PHONECALL | for USB phone call feature. Currently we will only have AP side solution, but we will also have DSP solution and HW solution in the future. | 4.Select | Y |
| MTK_USER_ROOT_SWITCH | User2Root switch complie option, | 1.Yes/No | Y |
| MTK_USER_SPACE_DEBUG_FW | used for user space debug framework control, including debug 15/fdleak/mmap/ubrd etc | 1.Yes/No | N |
| MTK_USE_ANDROID_MM_DEFAULT_CODE | Use to distinguish mtk changes on android default code at media framework.<br>[dependency_relationship]: No | 1.Yes/No | N/A |
| MTK_USSI_SUPPORT | For switch of USSD over IMS | 1.Yes/No | N |
| MTK_UT_XCAP_SUPPORT | To support native Ut/XCAP solution | 1.Yes/No | Y |
| MTK_VIBSPK_SUPPORT | Support the vibration speaker HW.  The speaker can be used as  loud speaker, and vibrator. If want to support 3-in-1 speaker (vibrator,loudspeaker, and receiver, should also set MTK_2IN1_SPK_SUPPORT as yes)<br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_VIDEO_4KH264_SUPPORT | Support SW 4K H.264 decoder | 1.Yes/No | N |

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|---|---|---|---|
| MTK_VIDEO_HEVC_SUPPORT | This option is for HEVC playback/record feature<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_VIDEO_VP8ENC_SUPPORT | VP8 is one kind of video codec.<br>This option is to define the support of internal VP8 encoder.<br>(VP8 encoder could be supported by Google SDK) | 1.Yes/No | N |
| MTK_VILTE_SUPPORT | Video telephony over LTE network | 1.Yes/No | Y |
| MTK_VIWIFI_SUPPORT | IMS video call over WFC | 1.Yes/No | Y |
| MTK_VOICE_UNLOCK_USE_TAB_LIB | Tablet should use it's own voice unlock library.<br>This config can let tablet project choose tablet library | 1.Yes/No | N |
| MTK_VOIP_ENHANCEMENT_SUPPORT | support MTK&apos;s speech enhancement for VoIP phone call<br>&quot;no&quot; means no support<br>&quot;Yes&quot; means support<br>[dependency_relationship]: if MTK_AUDIO_HD_REC_SUPPORT=no ,<br>MTK_VOIP_ENHANCEMENT_SUPPORT can not be yes | 1.Yes/No | Y |
| MTK_VOIP_HANDSFREE_DMNR | VoIP handsfree mode DMNR support<br>"No" means not support<br>"Yes" means support<br>[dependency_relationship]: MTK_DUAL_MIC_SUPPORT=yes,<br>MTK_VOIP_ENHANCEMENT_SUPPORT=yes | 1.Yes/No | N/A |
| MTK_VOIP_NORMAL_DMNR | VoIP receiver mode DMNR support<br>"no" means no support<br>"yes" means support<br>[dependency_relationship]: MTK_DUAL_MIC_SUPPORT=yes,<br>MTK_VOIP_ENHANCEMENT_SUPPORT=yes | 1.Yes/No | N/A |
| MTK_VOLTE_SUPPORT | Can use #ifdef __MTK_VOLTE_SUPPORT__ in C files<br><br>Can use FeatureOption.MTK_VOLTE_SUPPORT in Java files | 1.Yes/No | N |
| MTK_VOW_SUPPORT | Identify if "MagiEar - VoiceWakeup" is supported. | 1.Yes/No | Y |
| MTK_VPU_SUPPORT | If yes, this project support VPU (Vision process unit).<br>Otherwise, it does not support VPU.<br><br>Original FO: MTK_CAM_VPU_SUPPORT will be phase-out due to camera is not the only user of VPU | 1.Yes/No | Y |
| MTK_VR_HIGH_PERFORMANCE_SUPPORT | Android N vr_high_performance mode implementation | 1.Yes/No | Y |
| MTK_VR_SUPPORT | for VirtualReality develop/release | 1.Yes/No | Y |
| MTK_VSS_SUPPORT | Use this option to enable/disable VSS feature.<br>[dependency_relationship]: No | 1.Yes/No | N/A |
| MTK_VT3G324M_SUPPORT | enable 3G-324M Video Telephony<br>[dependency_relationship]: if MTK_VT3G324M_SUPPORT=yes, the modem side:<br>SP_VIDEO_CALL_SUPPORT must be TRUE | 1.Yes/No | N/A |
| MTK_VZW_CHIPTEST_MODE_SUPPORT | For US VzW operation chip certification, it defines the testing platform must be MD stand-alone without JAVA FWK/APP environment. To meet this requirement, it needs a new option to support this special power-on mode | 4.Select | N |
| MTK_WAPI_SUPPORT | if it is set to TRUE: Support WAPI (WLAN Authentication and Privacy Infrastructure)<br>if it is set to FALSE: Does not Support WAPI (WLAN Authentication and Privacy Infrastructure)<br>[dependency_relationship]: if MTK_WAPI_SUPPORT = yes, the MTK_WLAN_SUPPORT must be set yes | 1.Yes/No | Y |

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| MTK_WAPPUSH_SUPPORT | This feature option is used for receiving Wap Push message or not. If MTK_WAPPUSH_SUPPORT=yes, the device can receive Wap Push Message sent by operator. Users can read Wap Push Message in Mms inbox. [dependency_relationship]: no | 1.Yes/No | Y |
| MTK_WB_SPEECH_SUPPORT | The option controls whether this load support WB speech parameter. Because WB speech capability is controlled by Modem now, users should enable this feature option. [dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_WEATHER3D_WIDGET | the switcher of turn on /off weather3d widget [dependency_relationship]: if MTK_WEATHER3D_WIDGET is yes, then MTK_WEATHER_PROVIDER_APP should be yes | 1.Yes/No | Y |
| MTK_WEEK_NO | Define MTK weekly number(internal use only) [dependency_relationship]: no | 2.Text | N/A |
| MTK_WFC_SUPPORT | THIS feature option will control the wi-fi calling support in AP/AF layer. | 1.Yes/No | N |
| MTK_WFD_HDCP_RX_SUPPORT | Support WFD HDCP Rx 2.x [dependency_relationship]: If yes, following options should be yes:MTK_IN_HOUSE_TEE_SUPPORT & MTK_DRM_KEY_MNG_SUPPORT | 1.Yes/No | N/A |
| MTK_WFD_HDCP_RX_SVP_SUPPORT | For Miracast sink device, secure video path support under HDCP connection | 1.Yes/No | N |
| MTK_WFD_HDCP_TX_SUPPORT | Support WFD HDCP Tx 2.x [dependency_relationship]: If yes, following options should be yes:MTK_IN_HOUSE_TEE_SUPPORT & MTK_DRM_KEY_MNG_SUPPORT | 1.Yes/No | N/A |
| MTK_WFD_SINK_SUPPORT | The option is to support Wi-Fi Display Sink | 1.Yes/No | Y |
| MTK_WFD_SINK_UIBC_SUPPORT | The option is to support Wi-Fi Display Sink UIBC feature | 1.Yes/No | Y |
| MTK_WFD_SUPPORT | Wi-Fi Display Switch [dependency_relationship]: no | 1.Yes/No | Y |
| MTK_WIFIWPSP2P_NFC_SUPPORT | 1. default value : no 2. turn on feature : yes | 1.Yes/No | N/A |
| MTK_WIFI_HOTSPOT_SUPPORT | To enable Wi-Fi Tethering in the Wi-Fi Setting UI * Yes or No (Yes: Enable, No: Disable)  * dependency_relationship need MTK_WLAN_SUPPORT = yes [dependency_relationship]: if MTK_WIFI_HOTSPOT_SUPPORT = yes, the MTK_WLAN_SUPPORT must be set as yes | 1.Yes/No | Y |
| MTK_WIFI_MCC_SUPPORT | If the option is yes, WiFi Display supports Multi-Channel Concurrency with Legacy WiFi. If the option is false, WiFi Display supports Channel Conflict UX Revise | 1.Yes/No | Y |
| MTK_WIFI_P2P_SUPPORT | enable WIFI P2P (called wifi direct also) functionality. If turn on this feature, we provide three application based on it. They are contactsSync, FileSharing, Vedio&Audio sharing.  Via ContactsSync, users can exchange businessCard easily. Via FileSharin  [dependency_relationship]: if MTK_WIFI_P2P_SUPPROT = yes, the MTK_WLAN_SUPPORT must be set yes  the MTK_WLAN_SUPPORT must be set yes | 1.Yes/No | Y |
| MTK_WIRELESS_CHARGER_SUPPORT | yes : support wireless charger feature, it can show the wireless charging animation and charging icon when receive wireless charger plug-in.  no: not support wireless charger feature, stay with legacy feature, which cannot sense the exist of the wireles charger.  [dependency_relationship]: no | 1.Yes/No | N |

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| MTK_WLANBT_SINGLEANT | configuration for WLAN and BT single antenna feature. [dependency_relationship]: if MTK_WLANBT_SINGLEANT = yes, the MTK_WLAN_SUPPORT and MTK_BT_SUPPORTmust be set as yes | 1.Yes/No | N |
| MTK_WLAN_CHIP | Define the wlan chip type

[dependency_relationship]: no

the MTK_WLAN_SUPPORT must be set yes | 2.Text | Y |
| MTK_WLAN_PATH_SET | product_package.mk ?? ProjectConfig ? MTK_WLAN_PATH_SET ???????????mt6632_ant_mx.cfg file, ???Load ??build out one MT6632 ANT CONFIG file (mt6632_ant_m1.cfg file) ? system/vendor/firmware/ ?? | 4.Select | Y |
| MTK_WLAN_SUPPORT | The Wlan switch for the wlan feature in the Android(app, framework, native, kernel). [dependency_relationship]: no | 1.Yes/No | Y |
| MTK_WMA_PLAYBACK_SUPPORT | MTK_WMA_PLAYBACK_SUPPORT Controls WMA playback

[dependency_relationship]: no | 1.Yes/No | N |
| MTK_WMV_PLAYBACK_SUPPORT | MTK_WMA_PLAYBACK_SUPPORT Controls WMA playback, it is yes for SQC, when MP the build option will be set to no [dependency_relationship]: no | 1.Yes/No | N |
| MTK_WORLD_PHONE_POLICY | This is to specifiy world phone feature requirement policy to be applied.

0: Default policy

1: CMCC project (class B) policy | 3.Number | Y |
| MTK_WPA2PSK_SUPPORT | This feature option is a flag for such situation.  If it is turned on(yes), this load will satisfy WFA&apos;s request of supplying separate WPA and WPA2 security type. Else only WPA/WPA2 PSK will be shown to user. But now, we implement this by system property [dependency_relationship]: no | 1.Yes/No | Y |
| MTK_WVDRM_L1_SUPPORT | support Widevine DRM Level 1 [dependency_relationship]: if MTK_WVDRM_L1_SUPPORT = yes then MTK_IN_HOUSE_TEE_SUPPORT/MTK_DRM_KEY_MNG_SUPPORT/MTK_SEC _VIDEO_PATH_SUPPORT must be set to yes, or TRUSTONIC_TEE_SUPPORT/MTK_DRM_KEY_MNG_SUPPORT/MTK_SEC_VID EO_PATH_SUPPORT must be set to yes | 1.Yes/No | N/A |
| MTK_WVDRM_SUPPORT | yes: to enable this WV-DRM feature no: to disable this WV-DRM feature [dependency_relationship]: no | 1.Yes/No | Y |
| MTK_YAML_SCATTER_FILE_SUPPORT | This option is used to enable/disable YAML scatter format. If it&apos;s disable, the original scatter file format will be applied.

This option is supported since mt6572/JB3/GB3.


[dependency_relationship]: | 1.Yes/No | N |
| MTK_YIQI_FONTS_FRAMEWORK_SUPPORT | Controlling the font switching support in framework/System UI. | 1.Yes/No | Y |
| MULTI_CH_PLAYBACK_SUPPORT | decide audio codec output multi-ch or not [dependency_relationship]: no | 1.Yes/No | Y |
| NAND_OTP_SUPPORT | To simplify NAND OTP enable procedue.yes: Enable NAND OTP function support.no: Disable NAND OTP function support [dependency_relationship]: no | 1.Yes/No | Y |

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| NFC_CHIP_SUPPORT | enable/disable NFC and choose what solution to use.<br>Disable NFC : NFC_CHIP_SUPPORT = no<br>Enable NFC_CHIP_SUPPORT = yes | 1.Yes/No | Y |
| NO_INIT_PERMISSION_CHECK | check permission when start a service in init.rc<br><br>[dependency_relationship]: | 1.Yes/No | N |
| NXP_SMARTPA_SUPPORT | Driver to support NXP smartPA speaker mode, to make the sound is louder in speaker mode.<br>Option Value = no_nxp : disable this feature<br>Option Value = yes : enable  this feature<br>Option Value = tfa9887 : Enable this feature, using tfa9887<br>Option Value = tfa9890 : Enable this feature, using tfa9890 | 2.Text | Y |
| OP01_COMPATIBLE | 1.OP01_COMPATIBLE  = yes<br><br>when CMCC project need execute CTS test, we need define this option as yes to pass CTS testcase.<br><br>2.OP01_COMPATIBLE = no<br><br>When CMCC project need execute CMCC labtest, we need define this option as no to pass CMCC testcase.<br><br>[dependency_relationship]: no | 1.Yes/No | Y |
| OPTR_SPEC_SEG_DEF | It&apos;s used to define which operator you will support. If it&apos;s not operator load, the value is NONE(default value). The values may be:<br>OP01_SPEC0200_SEGC(for CMCC), OP02_SPEC0200_SEGA(for CU, SpecPM Shiqi Fu), OP03_SPEC0107_SEGDEFAULT(for Orange GB3, SpecPM Xiujuan Tan), OP03_SPEC0200_SEGDEFAULT(for orange other branch, SpecPM Xiujuan Tan), OP06_SPEC0106_SEGDEFAULT(for Vodafone, SpecPM Tingting Chen), OP07_SPEC0407_SEGDEFA<br><br>ULT(for AT&T, SpecPM Lin Gui), OP08_SPEC0200_SEGDEFAULT(for TMO US, SpecPM Huan Tan), OP09_SPEC0212_SEGC(for CT (Lab C), SpecPM Meija Li), OP09_SPEC0212_SEGDEFAULT(for CT (Lab A), SpecPM Meija Li), OP10_SPEC0200_SEGDEFAULT(for Tier2, SpecPM Grace Chen)[dependency_relationship]: depend on which operator,<br><br>OP11_SPEC0200_SEGDEFAULT(for Box OTT CMCC test) | 2.Text | Y |
| PLATFORM_MTK_SDK_VERSION | Denote MediaTek API level the code base is having.<br>[dependency_relationship]: no | 3.Number | N |
| PURE_AP_USE_EXTERNAL_MODEM | AP only chip use external modem<br>[dependency_relationship]: no<br><br>Note : The related feature (MT6280 external modem COB support) has been phased out | 1.Yes/No | N/A |
| SENSOR_BATCH_SUPPORT | Used to support batch()/flush() interface. | 1.Yes/No | Y |
| SIM_ME_LOCK_MODE | This feature option use to control which kind of SIM ME lock feature is enabled.<br>1. 0: MTK original SIM ME lock feature.<br>2. 1: Remote SIM lock feature for operator(op08). | 4.Select | N |

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| SIM_REFRESH_RESET_BY_MODEM | When the option is on, SIM refresh - reset command will be handled by modem side. Otherwise, AP have to call modme reset. [dependency_relationship]: no | 1.Yes/No | N/A |
| SPM_FW_USE_PARTITION | change spm fw location from /system/ in system.img to use spmfw partition | 1.Yes/No | Y |
| ST_NFC_FM_SE_CONFIG | eSE number | 3.Number | Y |
| TARGET_COPY_OUT_ODM | ODM partition for customization | 2.Text | Y |
| TELEPHONY_DFOSET | TELEPHONY_DFOSET decribe this DFO set enable or disable. [dependency_relationship]: no | 1.Yes/No | N/A |
| TRUSTONIC_TEE_SUPPORT | Trustonic TEE support or not | 1.Yes/No | Y |
| USB_AUDIO_SUPPORT | Please add a new option USB_AUDIO_SUPPORT=no for MT8127 Tablet and Box Branch : //ALPS_SW/MP/KK1.MP10/ | 1.Yes/No | Y |
| USE_CUSTOM_AUDIO_POLICY | If the vendors want to use their audiopolicy, please set 1. If the vendor want to use android default audiopolicy, please set 0. | 4.Select | N |
| USE_FRAUNHOFER_AAC | FRAUNHOFER FDK AAC Codec switch | 1.Yes/No | N/A |
| USE_XML_AUDIO_POLICY_CONF | Android N0 definition for using new audio policy config files. If it is set to 1, using new audio policy config files, XML If it is set to 0, using legacy audio policy config files, audio_policy.conf | 3.Number | Y |
| WIFI_WEP_KEY_ID_SET | WIFI_WEP_KEY_ID_SET: yes, show WEP key  id set item no, hide WEP key  id set item [dependency_relationship]: No | 1.Yes/No | Y |

| FOName | DetailDescription | OptionValueType | CustomerSwitchable |
|--------|-------------------|-----------------|--------------------|
| ANDROID_LOG_MUCH_COUNT | In android log much detect feture, it define the detect count, if value is 0, mean don't detect the feature. > 0 mean android log detect count each second. | 3.Number | N |
| BOOT_LOGO | to choose which boot logo folder would be used,<br><br> the boot logo folder path is mediatek/custom/common/uboot/logo/<br><br>[dependency_relationship]:depend operator config and resolution config.<br><br>for example:<br><br>resolution :LCM_WEIGHT   = 480, LCM_HEIGHT  =800,  the BOOT_LOGO is wvga<br><br>              LCM_WEIGHT   = 720, LCM_HEIGHT  =1280,  the BOOT_LOGO is hd720<br><br>prefix: OPTR_SPEC_SEG_DEF =OP01, the BOOT_LOGO is cmcc<br><br>              OPTR_SPEC_SEG_DEF =OP02, the BOOT_LOGO is cu | 4.Select | N/A |
| BUILD_AGO_GMS | For a-go project, it needs to apply a-go gms for verification | 1.Yes/No | Y |
| BUILD_KERNEL | Decide whether to build kernel or not.<br>[dependency_relationship]: no | 1.Yes/No | Y |
| BUILD_LK | Decide whether to build lk or not.<br>[dependency_relationship]: no | 1.Yes/No | Y |
| BUILD_MD32 | Increase BUILD_MD32 to ProjectConfig.mk. Only MT6593 will build md32, other chips do not build it<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| BUILD_MTK_SDK | The feature option is only applicable to MTK SDK project (banyan_addon).<br><br>It decides what packages to produce. api: Create MTK SDK API package only<br><br>(e.g. mtk_sdk_api_addon-10.1.zip) toolset: Create MTK SDK Toolset package only<br><br>(e.g. mtk_sdk_toolset-1.0.<br><br>[dependency_relationship]: no | 4.Select | Y |
| BUILD_PRELOADER | Decide whether to build preloader or not.<br>[dependency_relationship]: no | 1.Yes/No | Y |
| BUILD_UBOOT | Decide whether to build uboot or not.<br>[dependency_relationship]: no | 1.Yes/No | N |
| CMCC_LIGHT_CUST_SUPPORT | ???????OM????CMCC???package????option???CMCC??????????? | 1.Yes/No | Y |
| CUSTOM_BUILD_VERNO | User can input ASCII string which is showed in About phone and bootimg header.<br><br>[dependency_relationship]: no | 2.Text | N |

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| CUSTOM_CONFIG_MAX_DRAM_SIZE | CUSTOM_CONFIG_MAX_DRAM_SIZE is used for config DRAM size for LCA projects.<br>LCA projects have smaller DRAM size than nornal projects. We often develop and test LCA projects on normal project phones.<br>Hence we need this option to config DRAM size in LK stage. | 3.Number | N |
| CUSTOM_HAL_ANT | it is used to decide combo chip or SOC chip consys BT and WiFi antenna architecture.<br><br>The meaning of each value is defined as follows. Please note that &quot;CUSTOM_HAL_ANT&quot;<br><br>setting must be consistent with customer&apos;s antenna architecture layout.<br><br>Improper setting<br><br>[dependency_relationship]: no | 2.Text | Y |
| CUSTOM_HAL_AUDIOFLINGER | For audio flinger's customization folder<br>[dependency_relationship]: no,can not be modify | 2.Text | N |
| CUSTOM_HAL_BLUETOOTH | configuration for bluetooth device port and baudrate<br>[dependency_relationship]: no,can not be modify | 2.Text | N |
| CUSTOM_HAL_CAMERA | User space customized camera driver for camera related config, tuning setting and info.<br>The feature value defines the customized camera folder path in alps\mediatek\custom\common\hal\camera\$value<br>[dependency_relationship]: no,can not be modified | 2.Text | Y |
| CUSTOM_HAL_CAM_CAL | You can adopt it according to CAM_CAL part number. Now, it&apos;s only dummy_eeprom<br>To 658x, it&apos;s replace CUSTOM_HAL_EEPROM driver<br>[dependency_relationship]: the CUSTOM_HAL_CAM_CAL must be set as same as CUSTOM_KENREL_CAM_CAL | 2.Text | N/A |
| CUSTOM_HAL_COMBO | 1. This value is used to control combo chip or SOC connsys firmware patch path.<br><br>[dependency_relationship]: if CUSTOM_HAL_COMBO = mt6620/mt6628/mt6630, the MTK_COMBO_CHIP must be set as related combo chip name;<br><br>if CUSTOM_HAL_COMBO = mt6572_82, the MTK_COMBO_CHIP must be set as related SOC consys name. | 2.Text | Y |
| CUSTOM_HAL_EEPROM | User space driver : Sensor module might have calibration data such as lens shading.<br>You can adopt it according to EEPROM part number. Now, it&apos;s only s24cs64a_eeprom<br>[dependency_relationship]: the CUSTOM_HAL_EEPROM must be set as same as CUSTOM_KENREL_EEPROM | 2.Text | Y |
| CUSTOM_HAL_FLASHLIGHT | User space cameara flashlight driver.You can use this driver to choose cameara flashlight type.<br>[dependency_relationship]: no | 2.Text | Y |

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| CUSTOM_HAL_IMGSENSOR | User space image sensor driver. Define  project used all image sensors.<br> The value is combination of CUSTOM_HAL_MAIN_IMGSENSOR,<br>CUSTOM_HAL_MAIN_BACKUP_IMGSENSOR,<br> CUSTOM_HAL_SUB_IMGSENSOR, and<br>CUSTOM_HAL_SUB_BACKUP_IMGSENSOR<br>[dependency_relationship]: no | 2.Text | Y |
| CUSTOM_HAL_LENS | lens driver config for raw sensor camera<br>[dependency_relationship]: no | 2.Text | Y |
| CUSTOM_HAL_MAIN2_IMGSENSOR | User space image sensor  driver: 3D camera (rear camera) used sensor related tuning,<br>setting and calibration information.Value is used 3d sensor name<br>[dependency_relationship]: no | 2.Text | Y |
| CUSTOM_HAL_MAIN_BACKUP_IMGSENSOR | User space image sensor  driver: Main camera  (rear camera) used backup sensor related tuning,<br> setting and calibration information. Value is used main backup sensor name.<br>[dependency_relationship]: no | 2.Text | Y |
| CUSTOM_HAL_MAIN_BACKUP_LENS | lens driver config for main raw sensor camera (2nd solution)<br>[dependency_relationship]: no | 2.Text | Y |
| CUSTOM_HAL_MAIN_IMGSENSOR | User space image sensor  driver: Main camera (rear camera) used sensor related tuning,<br> setting and calibration information.Value is used main sensor name.<br>[dependency_relationship]: no | 2.Text | Y |
| CUSTOM_HAL_MAIN_LENS | lens driver config for main raw sensor camera<br>[dependency_relationship]: no | 2.Text | Y |
| CUSTOM_HAL_MSENSORLIB | add mc64xx to CUSTOM_HAL_MSENSORLIB in the file ProjectConfig.mk | 2.Text | N/A |
| CUSTOM_HAL_SENSORS | sensor hal layer common part<br>[dependency_relationship]: If CUSTOM_HAL_SENSORS =sensors<br>MTK_SENSOR_SUPPORT = yes must be set | 2.Text | Y |
| CUSTOM_HAL_SUB_BACKUP_IMGSENSOR | User space image sensor driver: Sub camera (front camera )used backup sensor related tuning,<br> setting and calibration information. Value is used sub backup sensor name.<br>[dependency_relationship]: no | 2.Text | Y |
| CUSTOM_HAL_SUB_BACKUP_LENS | lens driver config for sub raw sensor camera (2nd solution)<br>[dependency_relationship]: no | 2.Text | Y |
| CUSTOM_HAL_SUB_IMGSENSOR | User space driver: Sub camera (front camera )used sensor related tuning, setting and calibration information. Value is used sub sensor name.<br>[dependency_relationship]: no | 2.Text | Y |
| CUSTOM_HAL_SUB_LENS | lens driver config for sub raw sensor camera<br>[dependency_relationship]: no | 2.Text | Y |
| CUSTOM_HIFI_SENSORS | feature option to show that the phone has  hi-fi sensors  support | 1.Yes/No | Y |
| CUSTOM_KERNEL_ACCELEROMETER | accelerometer sensor to detect accelerometer from x y z axis.<br>[dependency_relationship]: no | 2.Text | Y |
| CUSTOM_KERNEL_ALSPS | ALSPS sensor driverto detect ambint light and the object is close or far awary from device<br>[dependency_relationship]: no | 2.Text | Y |
| CUSTOM_KERNEL_ANSWER_CALL_SENSOR | For control gesture sensor of answer call | 2.Text | Y |
| CUSTOM_KERNEL_BAROMETER | Pressure sensor driver to detect pressure<br>[dependency_relationship]: no | 2.Text | Y |

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|---|---|---|---|
| CUSTOM_KERNEL_BATTERY | The battery feature is the MUST include feature and can not be disable.<br>This feature provides battery monitor and charging. The system can not boot up without battery.<br>[dependency_relationship]: no,can not be modify | 2.Text | N |
| CUSTOM_KERNEL_CAMERA | Kernel space image sensor driver: Camera sensor power control.<br> Assign build load path alps\mediatek\custom\common\kernel\camera\camera<br>[dependency_relationship]: no,can not be modified | 2.Text | Y |
| CUSTOM_KERNEL_CAM_CAL | Kernel space driver : Sensor module might have calibration data such as lens shading.You can adopt it according to CAM_CAL part number. Now, it&apos;s only dummy_eeprom<br><br>To 658x, it&apos;s replace CUSTOM_KERNEL_EEPROM driver<br><br><br>[dependency_relationship]: the CUSTOM_KENREL_CAM_CAL must be set as same as  CUSTOM_HAL_CAM_CAL | 2.Text | N/A |
| CUSTOM_KERNEL_CORE | It define customer kernel src location<br>[dependency_relationship]: no,can not be modify | 2.Text | N/A |
| CUSTOM_KERNEL_DCT | To enable using driver customization tool for GPIO/EINT/ADC/KEYPAD/PMIC setting<br>[dependency_relationship]: no,can not be modified | 2.Text | N |
| CUSTOM_KERNEL_DEVICE_ORIENTATION | CUSTOM_KERNEL_DEVICE_ORIENTATION | 2.Text | Y |
| CUSTOM_KERNEL_EEPROM | Kernel space driver : Sensor module might have calibration data such as lens shading.<br> You can adopt it according to EEPROM part number. Now, it&apos;s only s24cs64a_eeprom<br>[dependency_relationship]: the CUSTOM_KERNEL_EEPROM must be set as same as  CUSTOM_HAL_EEPROM | 2.Text | Y |
| CUSTOM_KERNEL_FLASHLIGHT | Kernel space cameara flashlight driver. You can use this driver to choose cameara flashlight type.<br>[dependency_relationship]: no | 2.Text | Y |
| CUSTOM_KERNEL_GYROSCOPE | gyro driver<br>[dependency_relationship]: no | 2.Text | Y |
| CUSTOM_KERNEL_HDMI | Specify HDMI external IC type.<br>[dependency_relationship]: no | 2.Text | Y |
| CUSTOM_KERNEL_HEADSET | detect headset cable plug in and out<br>[dependency_relationship]: no | 2.Text | N |
| CUSTOM_KERNEL_IMGSENSOR | Kernel space image sensor driver. Define  project used all image sensors .<br>The value is combination of CUSTOM_KERNEL_MAIN_IMGSENSOR, CUSTOM_KERNEL_MAIN_BACKUP_IMGSENSOR,<br> CUSTOM_KERNEL_SUB_IMGSENSOR, and CUSTOM_KERNEL_SUB_BACKUP_IMGSENSOR<br>[dependency_relationship]: no | 2.Text | Y |
| CUSTOM_KERNEL_KPD | key pad driver to report key event<br>[dependency_relationship]: no | 2.Text | N |
| CUSTOM_KERNEL_LEDS | leds driver including green/red/blue<br>[dependency_relationship]: no,can not be modified | 2.Text | N |
| CUSTOM_KERNEL_LENS | lens driver config for raw sensor camera<br>same as CUSTOM_HAL_LENS<br>[dependency_relationship]: no | 2.Text | Y |
| CUSTOM_KERNEL_MAGNETOMETER | compass driver to detect compass raw data and report orientatino data<br>[dependency_relationship]: no | 2.Text | Y |

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|---|---|---|---|
| CUSTOM_KERNEL_MAIN2_BACKUP_IMGSENSOR | Kernel space image sensor driver: Main2 camera (3D camera) used backup sensor driver.Value is used main2 backup sensor name [dependency_relationship]: no | 2.Text | Y |
| CUSTOM_KERNEL_MAIN2_IMGSENSOR | Kernel space image sensor driver:Main2 camera (3dcamera) used sensor driver.Value is used main2 sensor name. [dependency_relationship]: no | 2.Text | Y |
| CUSTOM_KERNEL_MAIN_BACKUP_IMGSENSOR | Kernel space image sensor driver: Main camera (rear camera) used backup sensor driver.Value is used main backup sensor name. [dependency_relationship]: no | 2.Text | Y |
| CUSTOM_KERNEL_MAIN_BACKUP_LENS | lens driver config for main raw sensor camera (2nd solution) [dependency_relationship]: no | 2.Text | Y |
| CUSTOM_KERNEL_MAIN_IMGSENSOR | Kernel space image sensor driver:Main camera (rear camera) used sensor driver.Value is used main sensor name. [dependency_relationship]: no | 2.Text | Y |
| CUSTOM_KERNEL_MAIN_LENS | lens driver config for main raw sensor camera [dependency_relationship]: no | 2.Text | Y |
| CUSTOM_KERNEL_MOTION_DETECT | CUSTOM_KERNEL_MOTION_DETECT | 2.Text | Y |
| CUSTOM_KERNEL_ORIENTATION_SENSOR | the feature option for orientation sensor | 1.Yes/No | Y |
| CUSTOM_KERNEL_PDR_SENSOR | pdr configures for HAL SensorList?the value config &quot;yes&quot; means support?config &quot;no&quot; means not support. | 1.Yes/No | Y |
| CUSTOM_KERNEL_RTC | RTC driver customization [dependency_relationship]: no | 2.Text | N |
| CUSTOM_KERNEL_SOUND | For audio kernel driver's speaker customization folder definition. [dependency_relationship]: no,can not be modify | 2.Text | N |
| CUSTOM_KERNEL_SSW | describe is there is sim switch hardware, it&apos;s always enable on MT6589/MT6572/MT6582 platform. [dependency_relationship]: yes, it&apos;s depend on MTK_ENABLE_MD1 and MTK_ENABLE_MD2 | 5.Multi-select | Y |
| CUSTOM_KERNEL_STATIONARY_SENSOR | For control stationary gesture sensor | 2.Text | Y |
| CUSTOM_KERNEL_SUB_BACKUP_IMGSENSOR | Kernel space image sensor driver:Sub camera (front camera) used backup sensor driver.Value is used sub backup sensor name. [dependency_relationship]: no | 2.Text | Y |
| CUSTOM_KERNEL_SUB_BACKUP_LENS | lens driver config for sub raw sensor camera (2nd solution) [dependency_relationship]: no | 2.Text | Y |
| CUSTOM_KERNEL_SUB_IMGSENSOR | Kernel space image sensor driver:Sub camera (front camera) used sensor driver.Value is used sub sensor name. [dependency_relationship]: no | 2.Text | Y |
| CUSTOM_KERNEL_SUB_LENS | lens driver config for sub raw sensor camera [dependency_relationship]: no | 2.Text | Y |
| CUSTOM_KERNEL_TOUCHPANEL | touch driver need to report correct touch axes [dependency_relationship]: no | 2.Text | Y |
| CUSTOM_KERNEL_UNCALI_GYRO_SENSOR | add virtual sensor type uncali_gyroscope | 2.Text | N |
| CUSTOM_KERNEL_UNCALI_MAG_SENSOR | add virtual sensor type uncali_magnetic | 2.Text | N |
| CUSTOM_KERNEL_USB | Configuration for USB PHY [dependency_relationship]: no,can not be modify | 2.Text | N |

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|---|---|---|---|
| CUSTOM_KERNEL_VIBRATOR | Support custom to set Vibrator timer.<br>[dependency_relationship]: no | 2.Text | N |
| CUSTOM_MODEM | ALPS.JB9.EVDO.MP\alps\mediatek\config\mt6592_evb_evdo\ProjectConfig.mk<br><br>Please modify as CUSTOM_MODEM = mt6592_demo_hspa_sky_evdo<br>(NEW) | 2.Text | N |
| CUSTOM_SEC_AUTH_SUPPORT | Support customer to implement and apply their own RSA security functions<br>[dependency_relationship]: no | 1.Yes/No | Y |
| CUSTOM_SEC_SIGNTOOL_SUPPORT | Support customer to implement and apply their own RSA security functions<br>[dependency_relationship]: no | 1.Yes/No | Y |
| DEFAULT_INPUT_METHOD | Add these variables to define the default input method and default input method languages.<br>[dependency_relationship]: no | 2.Text | N |
| DEFAULT_LATIN_IME_LANGUAGES | Since LatinIME(Android Keyboard) supports lots of languages, this option can help customer to define which language should be set as default lagnuage for LatinIME(Android Keyboard)<br>[dependency_relationship]: no | 2.Text | N |
| DISABLE_EARPIECE | support tablet some model does not have earpiece<br>[dependency_relationship]: no | 1.Yes/No | Y |
| ENCRY_PARTITION_SUPPORT | This feature is for LG encrypt partition<br>[dependency_relationship]: if MD Enable LGE_FW_COMMON, __CUSTOMER_TC01_DISK__ Must Enalbe this feature option | 1.Yes/No | N |
| EVB | Identify the project is a EVB project or not.<br>[dependency_relationship]: no | 1.Yes/No | N |
| EVDO_DT_SUPPORT | To support EVDO+GSM (or TDD+CDMA) dual talk feature.<br><br>[dependency_relationship]: no | 1.Yes/No | N |
| EVDO_DT_VIA_SUPPORT | To support EVDO+GSM (or TDD+CDMA) dual talk feature, and use VIA CBP solution as CDMA modem.<br><br>[dependency_relationship]: no | 1.Yes/No | N |
| EVDO_IR_SUPPORT | It is for the China Telecom international roaming. If yes it will enable the IR feature otherwise disable the feature.<br><br>[dependency_relationship]: EVDO_DT_SUPPORT | 1.Yes/No | N/A |
| FEATURE_FTM_AUDIO_AUTOTEST | FEATURE_FTM_AUDIO_TEST = yes , means that factory mode  test copy factory audio test file (ringtone.wav) to system/res/sound ,=no means that factory mode use file in the custom/project<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| FEATURE_FTM_AUDIO_TEST | FEATURE_FTM_AUDIO_TEST = yes , means that factory mode  test copy factory audio test file(testpattern1.wav) to system/res/sound ,=no means that factory mode use file in the custom/project<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| FPGA_EARLY_PORTING | Used for FPGA early porting to separate code segments between FPGA platform and non-FPGA platform<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| GEMINI | Support GEMINI or not<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| GOOGLE_RELEASE_RIL | Distinguish the Google or MTK RIL implementation<br>[dependency_relationship]: no,(only used in generic) | 1.Yes/No | N/A |

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|---|---|---|---|
| HAVE_AACENCODE_FEATURE | In Audio record,  Enable/disable AAC encode,<br><br>yes: enable<br><br>no:disable<br><br>[dependency_relationship]: if HAVE_AACENCODE_FEATURE set = yes, the MTK_SOUNDENCODER_APP must be set yes | 1.Yes/No | Y |
| HAVE_ADPCMENCODE_FEATURE | The two build options are used to control ADPCM Playback and ADPCM Record.<br><br>[dependency_relationship]: no | 1.Yes/No | Y |
| HAVE_AEE_FEATURE | AEE (Android Exception Engine) that designed by<br>Mediatek is an exception catching and debugging information generation mechanism.<br>It can collect and dump information to filesystem (/sdcard/mtklog/aee_exp)<br>when fatel occur(E.g. kernel panic/android syst<br>[dependency_relationship]: no | 1.Yes/No | Y |
| HAVE_APPC_FEATURE | For audio post processing (Loudness) enable option<br>[dependency_relationship]: no | 1.Yes/No | Y |
| HAVE_AWBENCODE_FEATURE | In Audio record,  Enable/disable AWB encode,<br><br>yes: enable<br><br>no: disable<br><br>[dependency_relationship]: if HAVE_AWBENCODE_FEATURE set = yes, the MTK_SOUNDENCODER_APP must be set yes | 1.Yes/No | Y |
| HAVE_MATV_FEATURE | mATV feature control option which is used for swithing on/off mATV feature: switch on:  HAVE_MATV_FEATURE = yes switch off: HAVE_MATV_FEATURE = no<br>[dependency_relationship]: if HAVE_MATV_FEATURE = yes, the MTK_ATV_CHIP should be set as MTK_MT5192 or MTK_MT5193 | 1.Yes/No | Y |
| HAVE_SRSAUDIOEFFECT_FEATURE | Whether support SRS Audio Effect Feature or not<br>[dependency_relationship]: no | 1.Yes/No | Y |
| HAVE_VORBISENC_FEATURE | In Audio record,  Enable/disable VORBIS encode,<br><br>yes: enable<br><br>no: disable<br><br>[dependency_relationship]: no | 1.Yes/No | Y |
| HAVE_XLOG_FEATURE | It decide whether the system has XLOG mechanism. XLOG is a log filter mechanism which can filter the logs by tag before they are written to log buffer<br>[dependency_relationship]: no | 1.Yes/No | Y |
| HDMI_SUPPORT | enable HDMI function in KK1.MP5 Branch | 1.Yes/No | Y |
| HW_HAVE_TP_THREAD | yes: touch drvier use kernel thread to setup TP IC<br>no: touch driver use direction method to setup TP IC<br>[dependency_relationship]: no | 1.Yes/No | N/A |

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| IS_VCORE_USE_6333VCORE | voice function<br> yes : use 6333 function<br>no  : use 6323 function<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| IS_VM_USE_6333VM | voice function<br> yes : use 6333 function<br>no :use 6324 function<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| IS_VRF18_USE_6333VRF18 | Rename IS_82VCORE_USE_6333VCORE:yes : use 6333 function<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| LCM_FAKE_HEIGHT | Height of the screen, in order to test different resolution<br>[dependency_relationship]: no | 3.Number | N/A |
| LCM_FAKE_WIDTH | Width of the screen, in order to test different resolution<br>[dependency_relationship]: no | 3.Number | N/A |
| LCM_HEIGHT | To set LCM resolution height size<br>[dependency_relationship]: if LCM_HEIGHT = 480, the LCM_WIDITH must be set as 320 if LCM_HEIGHT = 800, the LCM_WIDITH must be set as 480 | 2.Text | Y |
| LCM_WIDTH | To set LCM resolution width size<br>[dependency_relationship]: if LCM_HEIGHT = 480, the LCM_WIDITH must be set as 320 if LCM_HEIGHT = 800, the LCM_WIDITH must be set as 480 | 2.Text | Y |
| LEGACY_DFO_GEN | DFO refactor for AOSP rule after 6592 and 8135, so we have legacy dfo headers generator<br>1. LEGACY_DFO_GEN acts as a makefile option for generate different dfo headers in different platform.<br>2. LEGACY_DFO_GEN is used in kernel makefile, pregen makefile, and makemtk makefile.<br>3. Earlier chip, e.g. 6571, 6572, 6582 need LEGACY_DFO_GEN = yes.<br>4. New chip, e.g. 6592, 8135, need LEGACY_DFO_GEN = no. | 1.Yes/No | N |
| LIGHT_NVRAM_DAEMON | some customer want to disable NVRAM_ACC/NVRAM_GYRO/NVRAM_PS function in nvram daemon | 1.Yes/No | Y |
| LINUX_KERNEL_VERSION | show linux kernel version<br><br>[dependency_relationship]: no | 2.Text | N |
| LOVELYFONTS_ICON_SHOW | Controlling whether to use the apk with a launcher icon. | 1.Yes/No | Y |
| LOVELYFONTS_SUPPORT | Controlling the font apk | 1.Yes/No | Y |
| MAXIM_SPEAKER_SUPPORT | When Set this MAXIM_SPEAKER_SUPPORT=yes<br>it will enable SW speaker protection algorithm also need to use maxim speaker amp to enable speaker protection function. | 1.Yes/No | Y |
| MD32_TOOLCHAIN_MODULE | Add MD32_TOOLCHAIN_MODULE to ProjectConfig.mk. Select which toolchain module is used to build MD32. Only MT6595 and MT6752 need it, other chips do not have MD32.<br>Setting value<br>MT6595: IPDesigner/12R1.35-64<br>MT6752: IPDesigner/12R2.36-64 | 2.Text | N |
| MD5_SIZE | Set MD5 MD image size<br>[dependency_relationship]: no | 3.Number | N/A |
| MD5_SMEM_SIZE | Set MD5 Share memory size<br>[dependency_relationship]: no | 3.Number | N/A |

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| MICROTRUST_TEE_SUPPORT | TEEI is a secure OS developed by Microtrust company to support China mobile payment feature including ali-pay and union-pay. It is a trusted execution environment based on ARM trustzone technology providing isolation and protection from rich OS. | 1.Yes/No | Y |
| MNTL_SUPPORT | MTK NAND Translation Layer | 1.Yes/No | Y |
| MT6280_SUPER_DONGLE | For 8135 , MT6280_SUPER_DONGLE | 1.Yes/No | N/A |
| MTK_2IN1_SPK_SUPPORT | Support 2 in 1 SPK feature<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_3GDONGLE_SUPPORT | This feature option depends on whether this project has 3g dongle function or not<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_AAL_SUPPORT | Decide whether to support ambient-light adpative backlight control and display visual enhancement<br><br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_AB_OTA_UPDATER | It is for A/B system update feature | 1.Yes/No | Y |
| MTK_ACAO_SUPPORT | To enable or disable ACAO feature | 1.Yes/No | N |
| MTK_ACDK_BUILD_DUMMY_ENG | To prevent Camera SMT test from being affected by upper SW layers. | 1.Yes/No | N |
| MTK_ACMT_DEBUG | For ACMT DEUG use [for AT&T tablet use]<br><br>[dependency_relationship]: AUTO_ADD_GLOBAL_DEFINE_BY_NAME = MTK_ACMT_DEBUG | 1.Yes/No | N |
| MTK_AEE_SUPPORT | trun on/off AEE feature | 1.Yes/No | Y |
| MTK_AGPS_APP | It is a feature option to enable or disable the support of A-GPS (Assisted-GPS).<br> A-GPS is a system which can improve the C-TTFF (Cold Time-to-First-Fix) of a GPS satellite-based positioning system.<br>[dependency_relationship]: if MTK_AGPS_APP = yes, the MTK_GPS_SUPPORT must be set yes | 1.Yes/No | Y |
| MTK_AIV_SUPPORT | This option is for AIV playback feature<br>[dependency_relationship]: If you want set MTK_AIV_SUPPORT as yes, please set MTK_DRM_PLAYREADY_SUPPORT as yes first.<br>Otherwise, the MTK_AIV_SUPPORT only can be set as no. | 1.Yes/No | N/A |
| MTK_ALARM_AWARE_UPLINK_SUPPORT | Support Low Power feature - alarm aware uplink | 4.Select | N |
| MTK_ALPS_BOX_DONGLE_SUPPORT | for box dongle | 1.Yes/No | Y |

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|---|---|---|---|
| | Android Box based on ALPS, which will share most c<br><br>ode with Tablet, so that we treat the BOX as a special feature of Tablet.<br><br><br>8127 BOX project will use this option to separate<br><br>others.<br><br><br>Add a line to alps/mediatek/config/common/ProjectC<br><br>onfig.mk | | |
| MTK_ALPS_BOX_SUPPORT | MTK_ALPS_BOX_SUPPORT = no<br><br><br>Add a line to alps/mediatek/build/tools/javaoption<br><br>.pm<br><br>MTK_ALPS_BOX_SUPPORT<br><br><br> Append MTK_ALPS_BOX_SUPPORT  to AUTO_ADD_GLOBAL_DEFINE_BY_NAME | 1.Yes/No | Y |
| MTK_ALPS_BOX_TVE_SUPPORT | cvbs / tve switch | 1.Yes/No | Y |
| MTK_ALPS_GATEWAY_AP_ROUTER_SUPPORT | for router UI feature option | 1.Yes/No | Y |
| MTK_ALPS_GATEWAY_SUPPORT | for gateway product feature option | 1.Yes/No | Y |
| MTK_ANDROIDFACTORYMODE_APP | Originally designed for ESD(Electrostatic discharge) test. For internal use only.<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_ANDROID_FOR_WORK_SUPPORT | yes: enable android for work managed_users feature<br><br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_ANDROID_LOG_MUCH_COUNT | ??EPM????????FO???MTK?? | 3.Number | Y |
| MTK_ANTIBRICKING_LEVEL | ANTIBRICKING_LEVEL = 0: disable<br>1: Exception catcher & parser<br>2: Recovery execution & backup/restore<br>3: Bootup selector (optional) | 4.Select | Y |
| MTK_ANT_SUPPORT | this option used to control ANT enable/disable | 1.Yes/No | Y |
| MTK_AOD_SUPPORT | Support Always On Display feature | 1.Yes/No | Y |

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| MTK_API_CHECK | Decide if MediaTek SDK API hasn&apos;t broken (i.e. API signature list hasn&apos;t changed).<br>Note: For turkey releases, this is always set to &quot;yes&quot;.<br>[dependency_relationship]: no | 1.Yes/No | N |
| MTK_APKINSTALLER_APP | Operator customized feature, for CU only. List all uninstalled APKs in SD card. When user click an item, install it.<br>[dependency_relationship]: if MTK_APKINSTALLER_APP set yes, the OPTR_SPEC_SEG_DEF must be set OP02_SPEC0200_SEGA | 1.Yes/No | N/A |
| MTK_APPENDED_DTB_SUPPORT | Build a concatenated zImage-dtb | 1.Yes/No | N |
| MTK_APP_GUIDE | Enable / disable Application guide<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_AP_SPEECH_ENHANCEMENT | speech enhancement in AP side function  enable Flag<br>[dependency_relationship]: No<br>When MTK_AP_SPEECH_ENHANCEMENT=yes, Enable AP side speech enhancement<br>When MTK_AP_SPEECH_ENHANCEMENT=no, Disable AP side speech enhancement and use modem side speech enhancement<br>This feature option is not using on 82 and after 82 | 1.Yes/No | Y |
| MTK_ASD_SUPPORT | Auto Scene Detection (ASD) project aims at detecting the scene type of the surrounding<br>environment in a fully automatic manner so that the imaging system could take corresponding<br> actions to produce images of better qualities.<br>[dependency_relationship]: no | 1.Yes/No | N |
| MTK_ASR_SUPPORT | Automatic Speech Recognition support<br>[dependency_relationship]: MTK_DUAL_MIC_SUPPORT=yes | 1.Yes/No | Y |
| MTK_ATF_SUPPORT | This option is used to indicate if ARMv8 ARM trusted firmware is support or not. | 1.Yes/No | Y |
| MTK_ATV_CHIP | mATV chip select option: but MTK_MT5192 is only support on mt6516 platform<br>[dependency_relationship]: please reference CUSTOM_KERNEL_MATV | 2.Text | Y |
| MTK_AUDIO | Enable MTK modifications for audio framework, hardware, and all related native part<br>The option is configed to AUTO_ADD_GLOBAL_DEFINE_BY_VALUE | 1.Yes/No | N |
| MTK_AUDIO_ADPCM_SUPPORT | The two build options are used to control ADPCM Playback and ADPCM Record.<br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_AUDIO_ALAC_SUPPORT | Used to control support alac playback | 1.Yes/No | Y |
| MTK_AUDIO_APE_SUPPORT | Ape feature control option which is used for switch audio APE format playback:<br>switch on:<br>MTK_AUDIO_APE_SUPPORT = yes switch off: MTK_AUDIO_APE_SUPPORT = no<br>[dependency_relationship]: no | 1.Yes/No | N |
| MTK_AUDIO_BLOUD_CUSTOMPARAMETER_REV | Decide Loudness libaray reversion. Support V3,V4,and V5 version<br>MTK_AUDIO_BLOUD_CUSTOMPARAMETER_V5: Use V5 version lib<br>MTK_AUDIO_BLOUD_CUSTOMPARAMETER_V4: Use V4 version lib<br>MTK_AUDIO_BLOUD_CUSTOMPARAMETER_V3: Use V3 version lib<br>The V5 is the latest version<br>[dependency_relationship]: no | 4.Select | N |

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| MTK_AUDIO_CHANGE_SUPPORT | Yes: audio change feature is enabled<br>No: audio change feature is disabled<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_AUDIO_CODEC_SUPPORT_TABLET | if the feature option is yes, we will support ape, alac,mp2 ... audio codecs in media_codecs.xml | 1.Yes/No | N |
| MTK_AUDIO_DDPLUS_SUPPORT | Enable Dolby Digital Plus Decoder<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_AUDIO_EXTCODEC_SUPPORT | enable/disable external audio DAC feature support | 1.Yes/No | N/A |
| MTK_AUDIO_GAIN_TABLE_SUPPORT | This is MUSE specific feature. So need to add to MUSE project.<br><br>The project name is &quot;muse_s1_kk&quot;. | 1.Yes/No | Y |
| MTK_AUDIO_HD_REC_SUPPORT | Provide High Qualtiy Audio Record<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_AUDIO_HYBRID_DRE_SUPPORT | Enhance audio playback dynamic range with software and hardware hybrid design | 1.Yes/No | N |
| MTK_AUDIO_HYBRID_NLE_SUPPORT | Enhance audio playback noise level with software and hardware hybrid design | 1.Yes/No | N |
| MTK_AUDIO_MIC_INVERSE | Denali internal phone mic connection inverse, we got to set MTK_AUDIO_MIC_INVERSE = true in internal phone project, but in customer project should be MTK_AUDIO_MIC_INVERSE= false | 1.Yes/No | Y |
| MTK_AUDIO_NUMBER_OF_MIC | define the number of mic on phone | 4.Select | N/A |
| MTK_AUDIO_NUMBER_OF_SPEAKER | define speaker number used in every project. | 3.Number | Y |
| MTK_AUDIO_PROFILES | yes means use the mtk Audio Profiles<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_AUDIO_RAW_SUPPORT | yes: Pass MTK PCM Component<br><br>no: Not Pass MTK PCM Component<br><br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_AUDIO_SPEAKER_PATH | Different project may have different speaker path. | 4.Select | Y |
| MTK_AUDIO_TUNNELING_SUPPORT | MTK_AUDIO_TUNNELING_SUPPORT = yes<br>--> support audio tunneling mode, bitstream can be written to output stream directly<br>mp3 playback use tunneling path default, but when effect is on or audio SRAM is occupied,<br>it use original pcm path<br><br>MTK_AUDIO_TUNNELING_SUPPORT = no<br>only pcm data can be written to output stream<br>mp3 playback always use the pcm data path | 1.Yes/No | Y |
| MTK_AURISYS_FRAMEWORK_SUPPORT | Aurisys is introduced to facilitate the sound processing solution development and use of MTK platforms. Aurisys is a framework constructed upon Android Audio Framework. It includes standardized interfaces for sound processing and tuning, integrated DSP sound subsystem, and software debug interface.<br>Our target is to make the replacement/integration of vendor IPs as convenient as possible. We defined a standardized interface to which is platform-independent, so that the software can be re-used | 1.Yes/No | Y |

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|---|---|---|---|
| MTK_AURISYS_PHONE_CALL_SUPPORT | The requirement for sound quality enhancements that add listening pleasure has been increasing.<br>To enrich the listening experience of using mobile devices, there is an increasing number of sound processing solutions provided by vendors. Aurisys is introduced to facilitate the sound processing solution development and use of MTK platforms.<br><br>This option is used to specify if we support Aurisys(vendor's sound processing IP integration, such as noise reductions) in phone call scenario. | 1.Yes/No | Y |
| MTK_AUTOIP_SUPPORT | Enable/disable auto ip feature.<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_AUTORAMA_SUPPORT | It can capture panorama picture. We will take maximum 9 pictures merge to one panorama image   (for before ROME porject)<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_AUTO_DETECT_ACCELEROMETER | one load to support different accelerometer sensor<br>[dependency_relationship]: no | 1.Yes/No | N |
| MTK_AUTO_DETECT_ALSPS | This feature Option is used for projects which using more than one ALSPS sensors, more than one ALSPS drivers can be builded in to project and be auto detected by setting this option to yes in the projectconfig.mk<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_AUTO_DETECT_MAGNETOMETER | one load to support different magnetometer sensor<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_AUTO_SANITY | Turn on to build auto sanity test cases; Turn off to prevent build auto sanity test cases<br>[dependency_relationship]: | 1.Yes/No | N/A |
| MTK_AVI_PLAYBACK_SUPPORT | use to enable/disable AVI playback feature. But, AVI is a default feature in ICS, we will use<br> this macro to switch android AVI and MTK AVI, yes(default) => MTK AVI, no => Android AVI<br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_AWS_SUPPORT | Feature option for AppWorkingSet feature | 1.Yes/No | N/A |
| MTK_BATLOWV_NO_PANEL_ON_EARLY | Not enable display when power on with low battery<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_BATTERY_PROTECT | For battery protect in low battery.<br>Yes to enable protect<br>No to disable protect | 1.Yes/No | Y |
| MTK_BEAM_PLUS_SUPPORT | Enable or disable Beam Plus.<br><br>[dependency_relationship]: MTK_BEAM_PLUS_SUPPORT=yes depends on MTK_NFC_SUPPORT=yes | 1.Yes/No | Y |
| MTK_BESLOUDNESS_RUN_WITH_HAL | Run Besloundness process on Audio HAL or not | 1.Yes/No | N/A |
| MTK_BESLOUDNESS_SUPPORT | Support Besloundness UI or not in Setting/AudioPorfile Page<br>common : MTK_BESLOUDNESS_SUPPORT = no<br>mt6592 : MTK_BESLOUDNESS_SUPPORT = yes | 2.Text | N/A |
| MTK_BESSURROUND_SUPPORT | Yes: audio change feature is enabled<br>No: audio change feature is disabled<br>[dependency_relationship]: no | 1.Yes/No | N |

| | | | |
|---|---|---|---|
| MTK_BG_POWER_SAVING_SUPPORT | MTK_BG_POWER_SAVING_SUPPORT = yes means support background power saving feature<br><br>MTK_BG_POWER_SAVING_SUPPORT = no means not support background power saving feature | 1.Yes/No | N |
| MTK_BG_POWER_SAVING_UI_SUPPORT | MTK_BG_POWER_SAVING_UI_SUPPORT = yes meas support power saving with UI<br><br>MTK_BG_POWER_SAVING_UI_SUPPORT = no means support power saving without UI | 1.Yes/No | N |
| MTK_BICR_SUPPORT | [dependency_relationship]: | 2.Text | Y |
| MTK_BIP_SCWS | Support SIM Toolkit BIP TCP client/server mode and also multiple channel for OMA SCWS<br><br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_BLULIGHT_DEFENDER_SUPPORT | yes: support BluLight Defender<br>no: no BluLight Defender. | 1.Yes/No | Y |
| MTK_BOX_AUDIO_DDPLUS_SUPPORT | Enable Dolby Digital Plus Decoder of android box<br>[dependency_relationship]: no<br><br>Feature Option Value<br>[Yes]Enable Dolby Ditiital Plus Decoder of android box<br>[No] Disable Dolby Digital Plus Decoder of android box | 1.Yes/No | N/A |
| MTK_BOX_CAM_SUPPORT | add usb camera FO to distinguish tablet mipi camera | 1.Yes/No | Y |
| MTK_BQ24156_SUPPORT | BQ24156 charger IC support<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_BQ24157_SUPPORT | Use bq24157 or not | 1.Yes/No | Y |
| MTK_BQ24158_SUPPORT | add MTK_BQ24158_SUPPORT to ProjectConfig.mk<br>default off<br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_BQ24160_SUPPORT | External switching charger for ROME E1 | 1.Yes/No | N/A |
| MTK_BQ24261_SUPPORT | BQ24261 charger IC support | 1.Yes/No | N/A |
| MTK_BQ24296_SUPPORT | BQ24296 charger IC support<br>Yes to support bq24296<br>No to not support bq24296 | 1.Yes/No | Y |
| MTK_BQ24297_SUPPORT | BQ24297 charger IC support<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_BQ27541_SUPPORT | yes : support TI bq27541 external gauge IC<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_BRANCH | Define MTK branch(internal use only)<br>[dependency_relationship]: no | 2.Text | N |
| MTK_BRAZIL_CUSTOMIZATION | Enable Brazil operator common requirements<br>[dependency_relationship]: When MTK_BRAZIL_CUSTOMIZATION is no, MTK_BRAZIL_CUSTOMIZATION_TIM is no | 1.Yes/No | Y |
| MTK_BRAZIL_CUSTOMIZATION_CLARO | Enable Claro operator requirements<br>[dependency_relationship]: When MTK_BRAZIL_CUSTOMIZATION is no, MTK_BRAZIL_CUSTOMIZATION_CLARO is no | 1.Yes/No | Y |
| MTK_BRAZIL_CUSTOMIZATION_TIM | Enable TIM operator requirements<br>[dependency_relationship]: When MTK_BRAZIL_CUSTOMIZATION is no, MTK_BRAZIL_CUSTOMIZATION_TIM is no | 1.Yes/No | Y |

| Feature | Description | Type | Value |
|---|---|---|---|
| MTK_BRAZIL_CUSTOMIZATION_VIVO | Enable VIVO operator requirements<br>[dependency_relationship]: When MTK_BRAZIL_CUSTOMIZATION is no, MTK_BRAZIL_CUSTOMIZATION_VIVO is no | 1.Yes/No | Y |
| MTK_BSP_PACKAGE | support BSP package<br>[dependency_relationship]: no | 1.Yes/No | N |
| MTK_BTLOGGER_SUPPORT | set feature option for customer user load release | 1.Yes/No | Y |
| MTK_BT_AVRCP_TG_APP_SETTINGS_SUPPORT | Android O BT AVRCP Application Settings feature option. | 1.Yes/No | Y |
| MTK_BT_AVRCP_TG_MULTI_PLAYER_SUPPORT | Android O BT AVRCP Multi Player feature option. When this feature enabled load will support Multi Player. This feature will only be enabled on tee load. | 1.Yes/No | Y |
| MTK_BT_BLE_MANAGER_SUPPORT | This is for turning on / off BLE Manager App which depends on MTK_BT_BLE_FRAMEWORK_SUPPOR | 1.Yes/No | Y |
| MTK_BT_BLUEDROID_A2DP_APTX | Extend MTK bluedroid A2DP APTX codec for customer requirement. | 1.Yes/No | Y |
| MTK_BT_BLUEDROID_AVRCP_TG_15 | use the feature option to switch on/off the support of bluetooth profile avrcp 1.5 version TG role | 1.Yes/No | Y |
| MTK_BT_BLUEDROID_AVRCP_TG_16 | use the feature option to switch on/off the support of bluetooth profile avrcp 1.6 version TG role | 1.Yes/No | Y |
| MTK_BT_BLUEDROID_DUN_GW_12 | Option to switch on/off DUN profile service.<br>Profile : Dial-up Network<br>Version : 1.2<br>Role : Gateway | 1.Yes/No | Y |
| MTK_BT_BLUEDROID_HFP_AG_17 | Feature option for BT HFP version  1.7 feature | 1.Yes/No | Y |
| MTK_BT_BLUEDROID_PLUS | use this feature option to switch on/off all bluetooth mediatek plus feature | 1.Yes/No | Y |
| MTK_BT_CHIP | Bluetooth chip type<br><br>[dependency_relationship]: if MTK_BT_SUPPORT is set to yes, MTK_BT_CHIP can not be null;<br><br>if MTK_COMBO_SUPPORT is set to yes, MTK_BT_CHIP can not be MTK_MT6622 or MTK_MT6626. | 2.Text | Y |
| MTK_BT_CUSTOM | define some bluetooth features for non-phone product,such as tablet ,box. | 1.Yes/No | Y |
| MTK_BT_HOST_SNOOP_LOG_SUPPORT | 1. Use this feature to control MTK host snoop log functions built-in.<br>2. Due to current security problem. Add this feature for customer to remove daemon on end user load.<br>3. Default value is yes | 1.Yes/No | Y |
| MTK_BT_INTEROP_EXTENSION | ????MTK Bluetooth ???????????? IOT list feature????google ???????? | 1.Yes/No | Y |
| MTK_BT_SUPPORT | When this option set to yes, the MTK Bluetooth solution will be included.<br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_BT_WIFI_COEX_RADIO_MODIFY | support use config file to modify BT/WIFI radio | 1.Yes/No | Y |
| MTK_BUFFER_COMPRESSION_SUPPORT | add the in-house GPU buffer compression(i.e. UFO) feature | 1.Yes/No | N |
| MTK_BUILD_VERNO | Define software version<br>[dependency_relationship]: no | 2.Text | N |
| MTK_BWC_SUPPORT | This is for control mm memory bandwidth limiter setting.<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_C2K_LTE_MODE | MTK_C2K_LTE_SUPPORT??option?persist.radio.c2k_lte_support?????<br>0?None<br>1?SVLTE<br>2?SRLTE | 4.Select | Y |
| MTK_C2K_SUPPORT | MTK internal CDMA modem support. | 1.Yes/No | Y |

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|---|---|---|---|
| MTK_CACHE_MERGE_SUPPORT | MTK_CACHE_MERGE_SUPPORT = "yes" means enable cache merge feature and "no" disable.<br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_CALENDAR_IMPORTER_APP | An calendar event importer to enable sharing events via Bluetooth.<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_CAMCORDER_PROFILE_MID_MP4 | Encode camcorder output file with MP4 encoder<br>[dependency_relationship]: no | 1.Yes/No | N |
| MTK_CAMERA_APP_VERSION | If 0, using aosp camera app on current platform.<br>If 1, using mtk legacy camera app on current platform.<br>If 2, using mtk new camera app on current platform. | 3.Number | N/A |
| MTK_CAM_ADV_CAM_SUPPORT | yes : Support Advanced Camera API<br>no : NOT Support Advanced Camera API | 1.Yes/No | N |
| MTK_CAM_ASD_SUPPORT | MTK_ASD_SUPPORT=yes //Enable ASD feature<br>MTK_ASD_SUPPORT=no //Disable ASD feature<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_CAM_AUTORAMA_SUPPORT | It can capture panorama picture. We will take maximum 9 pictures merge to one panorama image<br>[dependency_relationship]: no<br>if (MTK_LCA_RAM_OPTIMIZE=yes)<br>   MTK_CAM_AUTORAMA_SUPPORT = no<br>else<br>   MTK_CAM_AUTORAMA_SUPPORT = yes<br>endif | 1.Yes/No | N/A |
| MTK_CAM_CONTINUOUS_SHOT_MODE | MTK camera continuous shot feature. | 4.Select | Y |
| MTK_CAM_DEPTH_AF_SUPPORT | Enable/disable Depth-based AF. | 1.Yes/No | Y |
| MTK_CAM_DUALPD_SUPPORT | camera dual pdaf support option | 1.Yes/No | Y |
| MTK_CAM_DUAL_ZOOM_FUSION_SUPPORT | Enable 3rd party Fusion Algorithm | 1.Yes/No | N |
| MTK_CAM_DUAL_ZOOM_MTK_FOV_SUPPORT | MTK FOV Algorithm for Dual Cam Zoom | 1.Yes/No | N |
| MTK_CAM_DUAL_ZOOM_SUPPORT | Dual cam zoom feature (Wide/Tele) | 1.Yes/No | N |
| MTK_CAM_DUAL_ZOOM_VENDOR_FOV_SUPPORT | Enable 3rd party Stream FOV Algorithm | 1.Yes/No | N |
| MTK_CAM_EIS_SUPPORT | To enable/disable camera feature EIS | 1.Yes/No | Y |
| MTK_CAM_FACEBEAUTY_SUPPORT | [Basic Description]<br>Camera capture face beautification function.<br>[More Detail]<br>Wrinkle removal, skin color, small face and eye enlargement on detected faces.<br>[Software - Limitation and Dependency]<br>None<br>[Hardware - Limitation and Dependency]<br>None | 1.Yes/No | Y |
| MTK_CAM_FD_SUPPORT | MTK_CAM_FD_SUPPORT=yes //Enable Face Detection feature<br>MTK_CAM_FD_SUPPORT=no //Disable Face Detection feature<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_CAM_GESTURE_SUPPORT | MTK_CAM_GESTURE_SUPPORT=yes //Enable Gesture Shot feature<br><br>MTK_CAM_GESTURE_SUPPORT=no //Disable Gesture Shot feature<br><br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_CAM_HDR_SUPPORT | enable hdr or not | 1.Yes/No | Y |

| | | | |
|---|---|---|---|
| MTK_CAM_IMAGE_REFOCUS_SUPPORT | Feature option for camera feature - Image Refocus, no/yes | 4.Select | N/A |
| MTK_CAM_LOMO_SUPPORT | Enable/Disable camera Lomo effect<br><br>1. Branch : KK & KK0.MT6595.SB.DEV<br><br>2. Add MTK_CAM_LOMO_SUPPORT=no and add it into AUTO_ADD_GLOBAL_DEFINE_BY_NAME list in alps/mediatek/config/common/ProjectConfig.mk.<br><br>3. Add MTK_CAM_LOMO_SUPPORT=yes in alps/mediatek/config/mt6595/ProjectConfig.mk. | 1.Yes/No | Y |
| MTK_CAM_MFB_BUILDIN_SUPPORT | To make MFNR default on in Normal Capture. | 3.Number | Y |
| MTK_CAM_MFB_SUPPORT | support Multi-Frame Low Light (MFLL) or Anti-shaking (AIS) | 4.Select | Y |
| MTK_CAM_MMSDK_SUPPORT | For basic camera function to support SDK API for 3rd party APK using MTK_CAM_MMSDK_SUPPORT = yes //support MMSDK API MTK_CAM_MMSDK_SUPPORT = no // not support MMSDK API | 1.Yes/No | Y |
| MTK_CAM_NATIVE_PIP_SUPPORT | Enable/disable Native PIP | 1.Yes/No | Y |
| MTK_CAM_NR3D_SUPPORT | Enable/disable 3DNR. | 1.Yes/No | Y |
| MTK_CAM_OT_SUPPORT | MTK_CAM_OT_SUPPORT=yes //Enable OT feature<br><br>MTK_CAM_OT_SUPPORT=no //Disable OT feature<br><br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_CAM_PDO_TEST_ENABLE | option for internal QC | 1.Yes/No | Y |
| MTK_CAM_SD_SUPPORT | MTK_CAM_SD_SUPPORT=yes //Enable SD feature<br><br>MTK_CAM_SD_SUPPORT=no //Disable SD feature<br><br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_CAM_SINGLE_3DSHOT_SUPPORT | Control snigle cam 3d capture support or not [dependency_relationship]: No | 1.Yes/No | N/A |
| MTK_CAM_STEREO_CAMERA_FACING | In order to distinguish stereo camera facing bewteen front and back.<br><br>We need a compiler option to decide stereo camera facing in this platform. | 4.Select | Y |
| MTK_CAM_STEREO_CAMERA_SUPPORT | Enable/Disable &quot;Stereo Camera&quot; feature. | 1.Yes/No | Y |
| MTK_CAM_STEREO_DENOISE_SUPPORT | This option can control camera hal denoise feature on/off, but the sensor must be bayer+mono combination. | 1.Yes/No | Y |
| MTK_CAM_SW_VERSION | For different camera SW version need separate in special situations ex. in MT6757, camera need to know it is kibo or kibo+ ver1: camera sw version 1 ver2: camera sw version 2 ver3: camera sw version 3 ver4: camera sw version 4 | 4.Select | N |
| MTK_CAM_USER_DBG_LOG_OFF | ??????camera user debug load log?????performance??? ?feature option ??????camera user debug load log??user load ?? | 1.Yes/No | Y |
| MTK_CAM_VHDR_SUPPORT | To enable/disable camera feature : video HDR | 1.Yes/No | Y |

| | [Basic Description]<br>Camera preview and video record face beautification function.<br>[More Detail]<br>Normal mode: wrinkle removal and skin color on multiple faces.<br>Extreme mode: wrinkle removal, skin color, small face and eye enlargement on single (selected) face.<br>Max resolution: 1080p.<br>Video Snapshot size: same as video size.<br>[Software - Limitation and Dependency]<br>None<br>[Hardware - Limitation and Dependency]<br>Only on platforms that supports VFB, e.g. Rome. | 1.Yes/No | Y |
|---|---|---|---|
| MTK_CAM_VIDEO_FACEBEAUTY_SUPPORT | | | |
| MTK_CAM_VSDOF_SUPPORT | It&apos;s for new feature, Video Shallow DoF. | 1.Yes/No | Y |
| MTK_CAM_VSS_SUPPORT | Use this option to enable/disable  VSS feature.<br>[dependency_relationship]: No | 1.Yes/No | Y |
| MTK_CAM_ZSDHDR_SUPPORT | Enable HDR on ZSD mode or not | 1.Yes/No | Y |
| MTK_CAM_ZSDMFB_SUPPORT | support Multi-Frame Low Light (MFLL) or Anti-shaking (AIS) in ZSD mode. | 1.Yes/No | Y |
| MTK_CAM_ZSD_SUPPORT | Use this option to enable/disable ZSD feature.<br>[dependency_relationship]: No | 1.Yes/No | Y |
| MTK_CARRIEREXPRESS_APK_INSTALL_SUPPORT | this feature option is used to control the install/uninstall feature for carrierexpress pack | 1.Yes/No | Y |
| MTK_CARRIEREXPRESS_SWITCH_MODE | This feature option will be used for carrierexpress pack feature to decide the how to configure the phone | 3.Number | Y |
| MTK_CC33_SUPPORT | The option is used to check if the clear code 33 (CC33) feature is supported | 1.Yes/No | Y |
| MTK_CDS_EM_SUPPORT | MTK_CDS_EM_SUPPORT is used to be decided to enable CDS_INFO apps in the SW package.<br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_CHAMELEON_DISPLAY_SUPPORT | Yes: support Chameleon Display<br>No: no Chameleon Display. | 1.Yes/No | Y |
| MTK_CHARM_SUPPORT | Open Computing Language (OpenCL) is a framework for<br><br>writing programs that execute across heterogeneous<br><br>platforms consisting of central processing units (CPUs),<br><br>graphics processing units (GPUs).<br><br><br>CHARM is OpenCL framework for CPU. It leverages NEON<br><br>coprocessor to boost performance for tasks dispatched<br><br>to CPU. DS(Dynamic Scheduling) is the module to dispatch<br><br>jobs to CPU or GPU according to the job loading.<br><br><br>[dependency_relationship]: no | 1.Yes/No | N |

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|---|---|---|---|
| MTK_CHIPTEST_INT | This option is defined for TDD CMCC chip test load prepare. Internal Use.<br>When prepare for cmcc chip test load please set MTK_CHIPTEST_INT=yes<br>Otherwise set MTK_CHIPTEST_INT=no.<br>Default set MTK_CHIPTEST_INT=no<br><br>[dependency_relationship]:<br>MTK_USER_ROOT_SWITCH: this is another part of cmcc chip test prepare. when prepare cmcc chip test load MTK_USER_ROOT_SWITCH should be set to yes also.<br>MTK_USER_ROOT_SWITCH can be used by customer for customer cmcc product official test. | 1.Yes/No | N/A |
| MTK_CHIP_VER | Define hardware chip version<br>[dependency_relationship]: no,can not be modify ,not used any more need to phase out | 2.Text | N/A |
| MTK_CHIP_VERSION | For chip version recognize, usually not use if no ECO.<br>default value: 0<br>ex:<br>0 = E1<br>1 = E2<br>... | 3.Number | N |
| MTK_CIP_SUPPORT | this feature is used to pack customization contents to<br> a specific partition named 'Custom Image Partition' | 1.Yes/No | N/A |
| MTK_CLEARMOTION_SUPPORT | This option is for ClearMotion feature | 1.Yes/No | N/A |
| MTK_CMAS_SUPPORT | support CMAS or ETWS spec defined by ATTI<br><br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_COMBO_CHIP | this feature is used to identify combo chip version or SOC chip consys version. | 4.Select | Y |
| MTK_COMBO_NAND_SUPPORT | To support different NAND page size on the same load<br>[dependency_relationship]: MTK_COMBO_NAND_SUPPORT only could be &quot;yes&quot; when &quot;MTK_EMMC_SUPPORT = no&quot;. | 1.Yes/No | Y |
| MTK_COMBO_SUPPORT | used to describe whether WCN combo chip(MT6620/MT6628/MT6629,etc.) or SOC chip consys is supported or not<br><br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_CONSUMER_PARTIAL_UPDATE_SUPPORT | display partial upate feature on/off option<br>feature FMS ID:ALFMS00745465 | 1.Yes/No | N |
| MTK_CPU | Indicate uboot what kind of cpu this platform use<br>[dependency_relationship]: no | 2.Text | N/A |
| MTK_CROSSMOUNT_MULTI_CH_SUPPORT | MTK Multi-Channel Sound by CrossMount feature support. (ALFMS00727736 ) | 1.Yes/No | Y |
| MTK_CROSSMOUNT_SUPPORT | Feature Option for CrossMount | 1.Yes/No | N |
| MTK_CTA_SET | Enable CTA ECC Number Set requirements<br>If china market target product, need configure as MTK_CTA_SET=yes.<br>If not, need configure as MTK_CTA_SET=no.<br>[dependency_relationship]: no | 1.Yes/No | Y |

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|---|---|---|---|
| MTK_CTA_SUPPORT | Feature Option Background:<br>Use this option to wrap code for CTA specific features,  which has conflict with other standard or certification requirements, like operator, CTS, etc.<br><br>Feature Option Configuration Guideline:<br>Enabled just only for CTA lab test sw load<br>Should be disabled in mass production sw load to avoid conflict as above mentioned.<br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_CTM_SUPPORT | Feature option for [CMCC] Terminal Management (SPOID00000173) | 1.Yes/No | Y |
| MTK_CTPPPOE_SUPPORT | yes: enable feature<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_CTSC_MTBF_INTERNAL_SUPPORT | For internal use, the Feature option is for MTBF tool, only open in internal project, should be off for customer load<br>[dependency_relationship]: Internal load, the MTK_INTERNAL is  Yes, the MTK_CTSC_MTBF_INTERNAL_SUPPORT shoule be yes | 1.Yes/No | N/A |
| MTK_CT_VOLTE_SUPPORT | We need to have this feature option to enable/disable CT VoLTE feature to make internal SQC/customer easy to config. | 1.Yes/No | Y |
| MTK_CUSTOMERSERVICE_APP | Enable CT operator app CustomerService.apk<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_CUSTOM_USERLOAD_ENGINEERMODE | The operation defined the MTK user load or Customer user load<br>Some features can show at MTK load and hide at Customer load<br>The value of operation default is no,Customer should mark it yes when need and mark it no before seling | 1.Yes/No | Y |
| MTK_DATADIALOG_APP | enable the data connection switching notification dailog<br><br>[dependency_relationship]: no<br><br><br><br>This option is only for CMCC TDD project and must be ON for CMCC. | 1.Yes/No | N |
| MTK_DATA_TRANSFER_APP | When MTK_DATA_TRANSFER_APP = yes, install our new apk DataTransfer iinto system image<br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_DEDICATEDAPN_SUPPORT | support a dedicated APN when enable tethering<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_DEFAULT_DATA_OFF | This feature option is for customer who would like to deafault turn-off data connection.<br>The default setting of data connection will be OFF and notification is sent to notify user the data connection is OFF.<br>yes: Enable this feature which turn-off data connection by default and notification is sent to notify user as data connection is OFF.<br>no: Disable this feature which turn-off data connection by default and notification is sent to notify user as data connection is OFF.<br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_DEFAULT_WRITE_DISK | Support &apos;default write disk&apos; or not | 1.Yes/No | Y |
| MTK_DEINTERLACE_SUPPORT | support hw video de-interlace | 1.Yes/No | Y |
| MTK_DENA_MINIROSANGUO_APP | Decide whether to build in the DeNA Mini-Sanguo game or not.<br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_DENA_MOBAGE_APP | Decide whether to build in the DeNA Mobage game store or not.<br>[dependency_relationship]: no | 1.Yes/No | Y |

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|---|---|---|---|
| MTK_DEVREG_APP | Feature option for the feature of CT(China Telecom) device register by message<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_DFO_RESOLUTION_SUPPORT | when "MTK_DFO_RESOLUTION_SUPPORT = yes" means this load can support DFO resolution feature,so this load can switch to other resolution | 1.Yes/No | N/A |
| MTK_DHCPV6C_WIFI | no: disable this feature<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_DIALER_SEARCH_SUPPORT | It is used to control dialer search feature, and shared by both Java code and native code.<br>[dependency_relationship]: if MTK_DIALER_SEARCH_SUPPORT = yes the MTK_SEARCH_DB_SUPPORT must be set as yes | 1.Yes/No | N/A |
| MTK_DIGITAL_MIC_SUPPORT | support for using digital mic MTK_DIGITAL_MIC_SUPPORT= yes use digital mic MTK_DIGITAL_MIC_SUPPORT= yes use analog mic<br>[dependency_relationship]: No | 1.Yes/No | N/A |
| MTK_DIGITS_SUPPORT | feature option for TMO digits | 1.Yes/No | N |
| MTK_DISABLE_CAPABILITY_SWITCH | In some software package we need to disable capability switch function. E.g. bringup or CU package. Default is no. | 1.Yes/No | Y |
| MTK_DISABLE_EFUSE | [not use after 6589] | 2.Text | N |
| MTK_DISABLE_PERSIST_VSIM | Add a method to allow always disable persist external sim feature. | 1.Yes/No | Y |
| MTK_DISABLE_POWER_ON_OFF_VOLTAGE_LIMITATION | Used for SMT and HQA, not for SQC and end-user<br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_DISPLAY_HIGH_RESOLUTION | Display high resolution cause DRAM bandwidth usage, CPU usage, Memory usage, and Performance has different behavior.<br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_DITHERING_SUPPORT | To control whether enable or disable LCD controller dithering feature. If choose yes, LCD controller would do dithering to avoid contour effect, but side effect is that dithering mechanism will make some noises<br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_DMNR_TUNING_AT_MD | Define DMNR tuning recording source<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_DM_APP | Device Management. For example, collection or configuration parameter's of device,<br> upgrade software, lock or unlock device, wipe data, etc.<br>[dependency_relationship]:<br>IF  MTK_SMSREG_APP = no<br>THEN  MTK_DM_APP = no<br><br>IF MTK_DM_APP = no<br>    MTK_SCOMO_ENTRY = no<br><br>IF  MTK_FOTA_SUPPORT = no  or MTK_DM_APP = no<br>THEN   MTK_FOTA_ENTRY = no | 1.Yes/No | Y |
| MTK_DM_ENTRY_DISPLAY | Entrance switch of FOTA in Settings<br>[dependency_relationship]: if MTK_DM_ENTRY_DISPLAY = yes then MTK_DM_APP must be set as &apos;yes&apos; | 2.Text | N/A |
| MTK_DM_VERITY_OFF | disable dm-verity | 1.Yes/No | Y |
| MTK_DOCOMO_SUPPORT | This feature option is used to indicate if support DoCoMo operator | 1.Yes/No | N |
| MTK_DOLBY_DAP_SUPPORT | Enable Dolby Audio Postprocessing<br>[dependency_relationship]: no | 1.Yes/No | N/A |

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|---|---|---|---|
| MTK_DP_FRAMEWORK | Common framework for controlling underlying MM resizer hardware. [dependency_relationship]: no | 1.Yes/No | N |
| MTK_DRE30_SUPPORT | DRE30 feature enhance contrast by local tone mapping (need enable AAL_SUPPORT) | 1.Yes/No | Y |
| MTK_DRM_APP | Enable or disable both the OMA DRM1.0 feature and CTA Level5 data protection encrypted/decrypted feature. | 1.Yes/No | Y |
| MTK_DRM_KEY_MNG_SUPPORT | support MTK DRM Key Management [dependency_relationship]: if MTK_DRM_KEY_MNG_SUPPORT = yes then    MTK_IN_HOUSE_TEE_SUPPORT must be set to yes, or    TRUSTONIC_TEE_SUPPORT must be set to yes | 1.Yes/No | N/A |
| MTK_DRM_PLAYREADY_SUPPORT | Enable/Release playready library [dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_DSPIRDBG | Control the DSPIRDBG, which is used to control the log output. Its dafault value is no, would be set to yes by RD when needed. It's depend on MDLogger. [dependency_relationship]: IF MTK_MDLOGGER_SUPPORT = no THEN MTK_DSPIRDBG = no | 1.Yes/No | N |
| MTK_DTAG_DUAL_APN_SUPPORT | [C90] Inter-RAT CR issue within EU DTAG dual APN country. This is a requirement from DTAG operator that is acting in 4G network. We propose MTK_DTAG_DUAL_APN_SUPPORT to control this feature for different project. The code would be placed in L.AOSP.EARLY.DEValpsdevicemediatekmuse6732_c90_IProjectConfig.mk MTK_DTAG_DUAL_APN_SUPPORT = yes AUTO_ADD_GLOBAL_DEFINE_BY_NAME = ... MTK_DTAG_DUAL_APN_SUPPORT | 1.Yes/No | N/A |
| MTK_DTBO_FEATURE | A option to enable DTBO feature | 1.Yes/No | N/A |
| MTK_DT_SUPPORT | support dual talk [dependency_relationship]: No | 1.Yes/No | N/A |
| MTK_DUAL_CHARGER_SUPPORT | Enable this option to support two charging ICs (master + slave) | 1.Yes/No | Y |
| MTK_DUAL_DISPLAY_SUPPORT | feature option of dual display support | 3.Number | Y |
| MTK_DUAL_MIC_SUPPORT | For MTK's dual mic configuration. [dependency_relationship]: if MTK_DUAL_MIC_SUPPORT = yes, the modem side:DUAL_MIC_SUPPORT must be set TRUE | 1.Yes/No | N/A |
| MTK_DVFS_DISABLE_LOW_VOLTAGE_SUPPORT | Yes, means disable lower voltage support in DVFS. Only used for mt6582 [dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_DX_HDCP_SUPPORT | The option is to support Discretix HDCP feature | 1.Yes/No | Y |
| MTK_DYNAMIC_FPS_SUPPORT | dynamic fps control platform support | 1.Yes/No | Y |
| MTK_DYNAMIC_SBP_SUPPORT | Configure features dynamically according to SIM&apos;s MCC/MNC | 1.Yes/No | Y |
| MTK_EAP_SIM_AKA | if this feature option is enabled, then Android OS support eap-sim and eap-aka authentication when using Wi-Fi. [dependency_relationship]: no | 1.Yes/No | Y |
| MTK_EFUSE_DOWNGRADE | For downgrade project internal test only | 1.Yes/No | N |
| MTK_EFUSE_WRITER_SUPPORT | This option is used to turn on/off the function of build-in efuse writer in pre-loader. | 1.Yes/No | Y |
| MTK_EMBMS_SUPPORT | Used to enable & disable eMBMS feature or function 1. Yes.  Enable eMBMS function and eMBMS APK will be built-in 2. No.  Disable eMBMS function and eMbms APK will not be built-in | 1.Yes/No | Y |

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| MTK_EMCAMERA_APP | It's a switch to control when Engineer Mode - Camera Feature need to be built in. | 1.Yes/No | Y |
| MTK_EMMC_DISCARD | [FOR FAT Only]From eMMC v4.5, Discard command is supported. It allows an operating system to inform a eMMC which blocks of data are no longer considered in use and can be wiped internally.<br>yes: enable discard @ FAT<br>no : disable discard @ FAT | 1.Yes/No | Y |
| MTK_EMMC_SUPPORT | eMMC feature enable/disable<br>[dependency_relationship]: if MTK_EMMC_SUPPPORT is no,the EMMC_CHIP can not be defined | 1.Yes/No | Y |
| MTK_EMMC_SUPPORT_OTP | support ont time program on EMMC ,specaily for JRD and MOTO<br>[dependency_relationship]: If this MTK_EMMC_SUPPORT_OTP is yes  The MTK_EMMC_SUPPORT must be yes | 1.Yes/No | Y |
| MTK_EMMC_SUPPORT_OTP_FOR_CUSTOMER | config MTK_EMMC_SUPPORT_OTP_FOR_CUSTOMER<br>    tristate &quot;MediaTek eMMC Card OTP support for customer&quot;<br>    depends on MTK_EMMC_SUPPORT_OTP<br>    help<br>        This enables MTK One-Time-Programming (OTP) partition support on eMMC device for customer. Say Y if you turns on MTK_EMMC and want to use MTK OTP partition for storing One-Time-Programming data. Must be enabled by customer self.<br><br>    if unsure, say N. | 1.Yes/No | Y |
| MTK_EMULATOR_SUPPORT | When feature option is set to &quot;yes&quot;, it implies current build is an emulator type. Module uses this option to check if it should be built for real device or emulator targets.<br>[dependency_relationship]: no,(only set yes in generic) | 1.Yes/No | N |
| MTK_ENABLE_DIVX_DECODER | Enable DivX video decoder feature<br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_ENABLE_MD1 | Set to yes, if the first modem is enabled<br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_ENABLE_MD2 | Set to yes, if the second modem is enabled<br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_ENABLE_MD3 | Enable/Disable External Modem 3 (C2K modem)<br><br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_ENABLE_MD5 | Enable/Disable External Modem 5 (LTE modem)<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_ENABLE_NATIVE_ASAN | native address sanitizer feature option, only set in k58v1_64_uasan project | 1.Yes/No | Y |
| MTK_ENABLE_S263_DECODER | Enable S263 video decoder feature<br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_ENABLE_VIDEO_EDITOR | enable video editor native and java apk<br>[dependency_relationship]: No | 1.Yes/No | N |
| MTK_ENCRYPTION_DEFAULT_OFF | disable force encryption | 1.Yes/No | Y |
| MTK_ENCRYPTION_FDE_TO_FBE | forcefdeorfbe<br>default fde, user could change to fbe in UI | 1.Yes/No | Y |
| MTK_ENCRYPTION_TYPE_FILE | enable file encryption | 1.Yes/No | Y |
| MTK_ENGINEERMODE_APP | A utility application on phone that provide convenience supporting method for RDs and customers to debug, test their project.<br>[dependency_relationship]: no | 1.Yes/No | N |

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| MTK_ENTITLEMENT_SUPPORT | This feature is used to control the service entitlement and enablement. With this feature we the features like volte, vowifi are dynamically enabled/disbaled by the operator server . Currently this feature is supported for ATT . Other operators will also use this feature in future | 1.Yes/No | Y |
| MTK_EPDG_SUPPORT | If MTK_EPDG_SUPPORT = yes, application could use the ePDG tunnel to access operator's core network service. | 1.Yes/No | N |
| MTK_ESN_TRACK_APP | This feature option will control the ESN track feature in AP/AF layer. | 1.Yes/No | N/A |
| MTK_ETHERNET_SUPPORT | ethernet feature config,default no in common.mk,<br>in 8127 box project and some other tablet project,if need ethernet,set MTK_ETHERNET_SUPPORT = yes in projectConfig.xml<br>if set MTK_ETHERNET_SUPPORT = yes, enable<br>if set MTK_ETHERNET_SUPPORT = no , disable | 1.Yes/No | Y |
| MTK_ETWS_SUPPORT | yes: support ETWS feature, and  the Application CellBroadcastReceiver should be build in the system.<br><br>no: not support ETWS feature and CellBroadcastReceiver application will not be build in the system.<br><br>[dependency_relationship]: yes | 1.Yes/No | Y |
| MTK_EXCHANGE_SUPPORT | An MTK feature option to enable disable Exchange service support in different projects. | 1.Yes/No | Y |
| MTK_EXTERNAL_DONGLE_SUPPORT | this is a new feature which is different from MTK_3GONGLE_SUPPORT. This feature indicate whether the device apply new architecture for dongle support. | 1.Yes/No | N |
| MTK_EXTERNAL_LDO | for MT8127, use external LDO | 1.Yes/No | Y |
| MTK_EXTERNAL_MODEM_SLOT | This feature is used to specify which slot is connected to the external modem<br>[dependency_relationship]: no | 3.Number | Y |
| MTK_EXTERNAL_SIM_ONLY_SLOTS | Indicate the SIM slot only support virtual SIM but not physical SIM slot.<br><br>The option value is bit mask, bit X means the SIM slot X. For an example, value 4 is means the slot 3. | 4.Select | Y |
| MTK_EXTERNAL_SIM_SUPPORT | Use to determine if platform allow to use external SIM APIs to treat a non-physical SIM as a normal SIM card.<br>If yes, means platform support to use a soft SIM or software remote sim as a physical SIM card.<br>If no, means didn&apos;t support to use non-physical SIM card. | 1.Yes/No | Y |
| MTK_EXTMD_NATIVE_DOWNLOAD_SUPPORT | This option is used to enable/disable native download mechanism for external modem | 1.Yes/No | N |
| MTK_FACEBEAUTY_SUPPORT | Enable face beautify<br>[dependency_relationship]: no | 1.Yes/No | N |
| MTK_FACTORY_GAMMA_SUPPORT | To support color temperature auto calibration in factory pipeline. Customer has to use MTK calibration tool and specific colorimeter to measure color temperature in factory pipeline. After calibrated, the delta of display panel can be controlled in some small range. | 1.Yes/No | Y |
| MTK_FACTORY_MODE_IN_GB2312 | This option controls Factroy mode display in Chinese or English.<br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_FACTORY_RESET_PROTECTION_SUPPORT | if yes, means factory reset protection feature is enable, need frp partition<br>if no,  means factory reset protection feature is disable, no need frp partition | 1.Yes/No | N/A |
| MTK_FAN5402_SUPPORT | New Config BBK92 Drive Only Codebase | 1.Yes/No | N/A |
| MTK_FAN5405_SUPPORT | use external charger IC, MTK support<br>[dependency_relationship]: no | 1.Yes/No | Y |

| Feature Option | Description | Type | Value |
|---|---|---|---|
| MTK_FASTBOOT_SUPPORT | [dependency_relationship]: no | 2.Text | Y |
| MTK_FAT_ON_NAND | For NAND phone such as in EMMC phone with internal sd card, FAT on NAND feature was cut from NAND to be a independent fat partition,and create FAT image file over /fat yaffs2 file system, then let NAND phone can support FAT file system in internal.<br>[dependency_relationship]: yes | 1.Yes/No | Y |
| MTK_FD_FORCE_REL_SUPPORT | Set the option to Yes to force to send SCRI message during the screen is on if the network doesn't support R8 Fast Dormancy.<br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_FD_SUPPORT | Support Fast Dormancy or not<br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_FEMTO_CELL_SUPPORT | This is for Femto cell (CSG) feature<br>To support femto cell list & selection and UI display<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_FENCE_SUPPORT | [not use after KK] EGL Fence Support | 1.Yes/No | Y |
| MTK_FILEMANAGER_APP | use this feature option to enable/disable File Manager App<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_FIRST_MD | MTK_FIRST_MD is used to specify the high priority modem.<br>In dual SIM load, phone1 will be mapped to high priority modem.<br>The option works for DualTalk project with dual 3G capability, for example, W+T DualTalk.<br>[dependency_relationship]: yes | 3.Number | Y |
| MTK_FLIGHT_MODE_POWER_OFF_MD | MTK_FLIGHT_MODE_POWER_OFF_MD is used to control if modem is powered off when entering flight mode<br>[dependency_relationship]: yes | 1.Yes/No | Y |
| MTK_FLV_PLAYBACK_SUPPORT | use to wrap the FLV playback feature, AS 50MP do not include the FLV Playback, so set no<br>[dependency_relationship]: no | 1.Yes/No | N |
| MTK_FMRADIO_APP | yes: build MTK FMRadio no: not build MTK FMRadio<br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_FM_50KHZ_SUPPORT | The feature option is to define if we support FM 50KHz step tune/seek/scan functions<br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_FM_CHIP | decide which FM radio chip to use: e.g.MT6620_FM, MT6628_FM<br>[dependency_relationship]: if MTK_FM_CHIP not be set null, the MTK_FM_SUPPORT must be set as yes | 5.Multi-select | Y |
| MTK_FM_RECORDING_SUPPORT | For FM record function enable option.<br>[dependency_relationship]: if MTK_FM_SUPPORT = no, must set MTK_FM_RECORDING_SUPPORT = no | 1.Yes/No | Y |
| MTK_FM_RX_AUDIO | define FM Rx audio path : digital or analog<br>[dependency_relationship]: no | 4.Select | N |
| MTK_FM_RX_SUPPORT | support FM RX or not<br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_FM_SHORT_ANTENNA_SUPPORT | FM short antenna feature option: yes, support short antenna. no, support headset only<br>For FM Radio, when there's no headset, if short antenna is available, FM app will switch to short antenna automaticlly<br>For FM Tx, should support FM radio short antenna.<br>[dependency_relationship]: no | 1.Yes/No | Y |

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| MTK_FM_SUPPORT | The root switch of Android FM, if "no", all features(RX&TX) of FM will be removed from android system<br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_FM_TX_AUDIO | define FM TX type digital or analog<br>[dependency_relationship]: no | 4.Select | N |
| MTK_FM_TX_SUPPORT | FM transmitter switch: If "no" FM TX related features will be removed<br>[dependency_relationship]: if MTK_FM_TX_SUPPORT = yes the MTK_FM_SUPPORT must be set as yes | 1.Yes/No | N |
| MTK_FORCE_CLUSTER1 | This option is used to forcing system to run on CPU cluster 1, e.g. big cores on BIG.LITTLE system.<br>MTK_FORCE_CLUSTER1 = "yes" means enable this feature and "no" disable. | 1.Yes/No | N/A |
| MTK_FOTA_ENTRY | Entry switch of FOTA in Settings->About phone<br>yes: Turn on switch for FOTA entry<br>no: Turn off switch for FOTA entry<br>[dependency_relationship]:<br>IF  MTK_SMSREG_APP = no<br>THEN  MTK_DM_APP = no<br>IF MTK_DM_APP = no<br>   MTK_SCOMO_ENTRY = no<br>IF  MTK_FOTA_SUPPORT = no  or MTK_DM_APP = no<br>THEN    MTK_FOTA_ENTRY = no | 1.Yes/No | Y |
| MTK_FOTA_SUPPORT | Firmware Upgrade Over The Air<br>[dependency_relationship]:<br>IF  MTK_FOTA_SUPPORT = no or MTK_DM_APP = no<br>THEN    MTK_FOTA_ENTRY = no | 1.Yes/No | Y |
| MTK_FSCK_MSDOS_MTK | Low cost phone using increasingly smaller  RAM size, the size of the SD card. Customers  can choose fsck_msdos_mtk to time for space.<br>yes: use fsck_msdos_mtk @ time for space.<br>no: NOT use fsck_msdos_mtk @ time for space.<br>[dependency_relationship]: No | 1.Yes/No | Y |
| MTK_FSCK_TUNE | enable e2fsck improvement for shorter boot time<br> Involved modules:ptgen | 2.Text | N/A |
| MTK_FUSED_LOCATION_SUPPORT | turn on/off Fused Location Provider | 1.Yes/No | Y |
| MTK_FW_UPGRADE | Support Adups OTA upgrade | 1.Yes/No | Y |
| MTK_GAMELOFT_ASPHALTINJECTION_APP | yes: default insatall Asphalt injection from gameloft<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_GAMELOFT_GLLIVE_APP | yes: default insatall gllive from gameloft<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_GAMELOFT_GLL_CN_APP | Gameloft's game store: Gameloft Live for China only.<br>[dependency_relationship]: Can't be opened on the same time with MTK_GAMELOFT_GLL_WW_APP. | 1.Yes/No | Y |
| MTK_GAMELOFT_GLL_WW_APP | Gameloft's game store: Gameloft Live for global.<br>[dependency_relationship]: Can't be opened on the same time with MTK_GAMELOFT_GLL_CN_APP. | 1.Yes/No | Y |
| MTK_GAMELOFT_KINGDOMANDLORDS_CN_APP | yes: default insatall kingdom and lords(ch) from gameloft<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_GAMELOFT_KINGDOMANDLORDS_WW_APP | yes: default insatall kingdom and lords(ww) from gameloft<br>[dependency_relationship]: no | 1.Yes/No | N/A |

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| MTK_GAMELOFT_LBC_CN_APP | Gameloft's game: Little Big City for China only.<br>[dependency_relationship]: Can't be opened on the same time with MTK_GAMELOFT_LBC_WW_APP. | 1.Yes/No | Y |
| MTK_GAMELOFT_LBC_WW_APP | Gameloft's game: Little Big City for global<br>[dependency_relationship]: Can't be opened on the same time with MTK_GAMELOFT_LBC_CN_APP. | 1.Yes/No | Y |
| MTK_GAMELOFT_SD_CN_APP | Gameloft's game: Shark Dash for China only.<br>[dependency_relationship]: Can't be opened on the same time with MTK_GAMELOFT_SD_WW_APP. | 1.Yes/No | Y |
| MTK_GAMELOFT_SD_WW_APP | Gameloft's game: Shark Dash for global.<br>[dependency_relationship]: Can't be opened on the same time with MTK_GAMELOFT_SD_CN_APP. | 1.Yes/No | Y |
| MTK_GAMELOFT_UNOANDFRIENDS_CN_APP | yes: default insatall uno and friends (cn) from gameloft<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_GAMELOFT_UNOANDFRIENDS_WW_APP | yes: default insatall uno and friends (ww) from gameloft<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_GAMELOFT_WONDERZOO_CN_APP | yes: default insatall wonder zoo (cn) from gameloft<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_GAMELOFT_WONDERZOO_WW_APP | yes: default insatall wonder zoo (ww) from gameloft<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_GAS_SERVICE_SUPPORT | Support for game detection service | 1.Yes/No | Y |
| MTK_GAUGE_VERSION | Select MTK Gauge Master version<br>Gauge Master is for calculating battery volume<br>10: Gauge Master 1.0<br>20: Gauge Master 2.0<br>30: Gauge Master 3.0 | 3.Number | N |
| MTK_GEMINI_3SIM_SUPPORT | Originally, we set GEMINI=yes ,means dual SIM project. If you also configure MTK_GEMINI_3SIM_SUPPORT =yes ,means triple SIM project support<br>[dependency_relationship]: MTK_GEMINI_3SIM_SUPPORT can only be enabled when GEMINI=yes | 1.Yes/No | N/A |
| MTK_GEMINI_4SIM_SUPPORT | Originally, we set GEMINI=yes ,means dual SIM project. If you also configure MTK_GEMINI_4SIM_SUPPORT =yes ,means quad SIM project support<br>[dependency_relationship]: MTK_GEMINI_3SIM_SUPPORT can only be enabled when GEMINI=yes | 1.Yes/No | N/A |
| MTK_GEMINI_ENHANCEMENT | Enable or disable the GEMINI enhancement<br>[dependency_relationship]: if MTK_GEMINI_ENHANCEMENT = yes, the GEMINI must be set as yes | 1.Yes/No | N/A |
| MTK_GLOBAL_PQ_SUPPORT | Tablet Feature:<br>In non-video path, Surface Flinger selects 1 layer to enter MDP for DC/Sharpness enhancement.<br>Target is to extend DC/Sharpness into all third party APP(include gaming, photography, SW decode video, etc.) | 1.Yes/No | Y |
| MTK_GMO_RAM_OPTIMIZE | new LCA TF name: GMO TF from 2015.<br><br> - Gracili Memory Optimization(GMO)<br><br> - Gracili: Gracefully Slender in latin | 1.Yes/No | Y |

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| MTK_GMO_ROM_OPTIMIZE | new LCA TF name: GMO TF from 2015.<br><br>- Gracili Memory Optimization(GMO)<br><br>- Gracili: Gracefully Slender in latin | 1.Yes/No | Y |
| MTK_GOOGLEOTA_SUPPORT | Open or close MOTA(Mediatek Over-The-Air) feature. Online firmware upgrade.<br><br>yes: Build and enable MOTA client application.<br><br>no : Remove and disable MOTA client application.<br><br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_GOOGLE_TRUSTY_SUPPORT | This feature is used to support Google trusty OS. The trusty OS is been used in Android to support for keymaster, secure passworld authentication, effortless authentication. Those features may be mandatory in Android M. | 1.Yes/No | Y |
| MTK_GPS_CHIP | To identify which GPS chip be used on current platform.<br><br>[dependency_relationship]: no | 4.Select | Y |
| MTK_GPS_SUPPORT | Be used to switch GPS feature on the platform. Set &quot;yes&quot; to turn on and set &quot;no&quot;(with MTK_AGPS_APP=no at the same time) to turn off.<br>[dependency_relationship]: if MTK_GPS_SUPPORT = yes, the MTK_GPS_CHIP should not be set null | 1.Yes/No | Y |
| MTK_GPT_SCHEME_SUPPORT | Support GUID Partition Table | 1.Yes/No | N |
| MTK_GPU_SUPPORT | MTK_GPU_SUPPORT=yes, means support HW GPU<br><br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_HAC_SUPPORT | Feature for HAC support or not | 1.Yes/No | N |
| MTK_HALF_NAND_SUPPORT | for stress test only | 1.Yes/No | Y |
| MTK_HANDSFREE_DMNR_SUPPORT | support MTK's handsfree mode DMNR and ASR on AP side<br>[dependency_relationship]: if MTK_AUDIO_HD_REC_SUPPORT=no ,MTK_HANDSFREE_DMNR_SUPPORT can not be yes | 1.Yes/No | N/A |
| MTK_HDMI_HDCP_SUPPORT | Enable hdmi tx hdcp support<br>[dependency_relationship]: Need enable MTK_HDMI_SUPPORT | 1.Yes/No | N/A |
| MTK_HDMI_SUPPORT | To control whether enable or disable HDMI feature. If choose yes, phone's screen can be demonstrated on TV via HDMI cable.<br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_HDR_VIDEO_SUPPORT | Support HDR video format | 1.Yes/No | Y |
| MTK_HEADER_SUPPORT | For L.AOSP's OTA. To compatible with MTK's KK.ABS.<br>For legacy chips: 6572/6582/6592/6595/6752/6732:<br>MTK_HEADER_SUPPORT=yes<br>For non-legacy chips: 6795/Denali: MTK_HEADER_SUPPORT=no | 1.Yes/No | Y |
| MTK_HEADSET_ACTIVE_NOISE_CANCELLATION | When a user wears a special headset and enable this feature. The environment noise can be reduced no matter in a call, music playback, and idle state. This feature only works in earphone mode. | 1.Yes/No | Y |

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| MTK_HETCOMM_SUPPORT | MTK_HETCOMM_SUPPORT is used to decide to enable ManyOn/Hetcomm function in the SW package or not.<br>HETCOMM is the abbreviation of Heterogeneous communcation.<br><br>[dependency_relationship]: yes<br>If MTK_LTE_SUPPORT is yes, the MTK_HETCOMM_SUPPORT could be yes.<br>If MTK_LTE_SUPPORT is no, the MTK_HETCOMM_SUPPORT should be no. | 1.Yes/No | Y |
| MTK_HIDL_PROCESS_CONSOLIDATION_ENABLED | for memory saving. it is used to control using merged hidl process to replace separated hidl service processes or not. if true, use merged hidl service process, if false, use AOSP hidl service processes. | 1.Yes/No | Y |
| MTK_HIFIAUDIO_SUPPORT | hifi audio support | 1.Yes/No | Y |
| MTK_HIGH_QUALITY_THUMBNAIL | to enable high quality thumbnail. The thumbnail format retrieved by application will be ARGB8888 instead of RGB565.<br>[dependency_relationship]: No | 1.Yes/No | Y |
| MTK_HIGH_RESOLUTION_AUDIO_SUPPORT | MTK_HIGH_RESOLUTION_AUDIO_SUPPORT=yes (Stagefright and OMX component will enable 24bit Audio)<br>MTK_HIGH_RESOLUTION_AUDIO_SUPPORT=no (Stagefright and OMX component will not enable 24bit Audio) | 1.Yes/No | Y |
| MTK_HUIYOU_SYJT_APP | Decide whether to pre-build 3rd party app HUIYOU_SYJT or not.<br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_HUIYOU_WABAOJINGYING_APP | Decide whether to pre-build 3rd party app WABAOJINGYING or not.<br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_HW_ENHANCE | MTK_HW_ENHANCE=y means enable hardware optimization for tablet<br>[dependency_relationship]: The option works only when MTK_PLATFORM_OPTIMIZE=y | 1.Yes/No | N |
| MTK_HW_ENHANCE_VERSION | version definition of MTK_HW_ENHANCE feature | 3.Number | N |
| MTK_HW_KEY_REMAPPING | Add a feature option to enable HW key remapping for HOME/BACK/MENU keys.<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_ICCS_SUPPORT | MediaTek Inter-Cluster Cache Sharing is a feature to enhance system performance, which enables the cache sharing capability<br>between clusters for better cache utilization. | 1.Yes/No | N/A |
| MTK_ICUSB_SUPPORT | To enable the ICUSB featurea in phone which support USB port 1 | 1.Yes/No | N |
| MTK_IDC_SUPPORT | Support Connectivity and Modem In-Device Coexistence or not | 1.Yes/No | N |
| MTK_IMAGE_LARGE_MEM_LIMIT | increase the memory limit value for image support<br>[dependency_relationship]: No | 1.Yes/No | Y |
| MTK_IMS_SUPPORT | Generate compiler flag in C and JAVA layer | 1.Yes/No | N |
| MTK_INCALL_HANDSFREE_DMNR | incall handsfree mode DMNR support<br>[dependency_relationship]: MTK_DUAL_MIC_SUPPORT=yes | 1.Yes/No | N/A |
| MTK_INCALL_NORMAL_DMNR | incall normal mode DMNR support<br>[dependency_relationship]: MTK_DUAL_MIC_SUPPORT=yes | 1.Yes/No | N/A |
| MTK_INCLUDE_MODEM_DB_IN_IMAGE | Support build modem database file into system image under the path: "system/etc/mddb".<br>[dependency_relationship]: MTK_MDLOGGER_SUPPORT set as yes. then set this FO as yes. Or set as 'no'. | 1.Yes/No | Y |
| MTK_INPUTMETHOD_COOTEKIME_TOUCHPAL | Feature option to disable or enable 3rd party IME: Cootek Touchpal IME | 1.Yes/No | N |

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| MTK_INPUTMETHOD_PINYINIME_APP | This option is used to config whether PinyinIME should be prebuilt as system application<br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_INTERNAL_API_CHECK | Decide if LEGO API checking mechanism is enabled. The mechanism is to ensure MediaTek added framework API list is not changed without approval.<br>Note: this option is disabled in customer releases. | 1.Yes/No | N |
| MTK_INTERNAL_HDMI_SUPPORT | To switch language set. Because some language need third party font support, these language should be removed on custom project first to avoid build error. It is no longer valid after ALPS.GB.TDFD_MP.<br>[dependency_relationship]: If MTK_INTERNAL is YES, then MTK_INTERNAL_LANG_SET is YES. If MTK_INTERNAL is NO, then MTK_INTERNAL_LANG_SET is NO. | 1.Yes/No | N/A |
| MTK_INTERNAL_LANG_SET | To switch language set. Because some language need third party font support, these language should be removed on custom project first to avoid build error. It is no longer valid after ALPS.GB.TDFD_MP.<br>[dependency_relationship]: If MTK_INTERNAL is YES, then MTK_INTERNAL_LANG_SET is YES. If MTK_INTERNAL is NO, then MTK_INTERNAL_LANG_SET is NO. | 2.Text | N |
| MTK_INTERNAL_MHL_SUPPORT | Enable internal mhl tx  support<br>[dependency_relationship]: Need enable MTK_HDMI_SUPPORT ,but  can't enable MTK_INTERNAL_HDMI_SUPPORT at the same time | 1.Yes/No | N/A |
| MTK_INT_MD_SPE_FOR_EXT_MD | For DSDA project, it identify the external md speech enhancement is processed in internal or external.<br>[Expression]<br>Yes -> Use internal md dsp to do speech enhancement for external md phone call. (proposal#2)<br>No  -> Use external md dsp to do speech enhancement for external md phone call. (proposal#1) | 1.Yes/No | Y |
| MTK_IN_HOUSE_TEE_SUPPORT | support MTK In-House TEE<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_ION_SUPPORT | This option controls whether ION is supported in this project.<br>[dependency_relationship]: no | 1.Yes/No | N |
| MTK_IPO_MDRST_SUPPORT | Control if we should wait modem ready during IPO boot up process | 1.Yes/No | Y |
| MTK_IPO_SUPPORT | Instant Power On is a software solution, device can boot up in a configurable time without extra hardware cost<br>It leverages the Android suspend feature to create a new user experience.<br>[dependency_relationship]: no | 1.Yes/No | Y |

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| | China IPTV support feature for MTK android BOX.<br><br>8127 BOX project with IPTV feature will use this option to separate with others.<br><br>Add a line to alps/mediatek/config/common/ProjectConfig.mk<br><br>MTK_IPTV_SUPPORT = no<br><br>Add a line to alps/mediatek/build/tools/javaoption.pm | | |
| MTK_IPTV_SUPPORT | MTK_IPTV_SUPPORT<br><br>Append MTK_IPTV_SUPPORT to AUTO_ADD_GLOBAL_DEFINE_BY_NAME<br><br>At this moment, we use Virtual branch for developi<br><br>ng. So KK branch keeps the option to be not opened<br><br>(but in our virtual branch it opened). Although i<br><br>t not open in KK but this option also takes effect | 1.Yes/No | Y |
| MTK_IPV6_SUPPORT | Enable/disable IPv6 Over 3G Modem Feature<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_IPV6_TETHER_NDP_MODE | is NDP mode or RADVD mode during IPv6 tethering<br>yes: enable NDP mode during IPv6 tethering<br>no: disable enable NDP mode during IPv6 tethering<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_IPV6_TETHER_PD_MODE | In pd mode, the phone will ask the 3G network for prefix delegation, and use it to divide subnet.<br>yes : enable prefix delegation.<br>no : disable prefix delegation.<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_IRTX_PWM_SUPPORT | IRTX PWM Solution | 1.Yes/No | Y |
| MTK_IRTX_SUPPORT | Project support irtx or not. | 1.Yes/No | N |
| MTK_ISMS_SUPPORT | description =yes means enable iSMS<br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_JAZZ | Jazz is an AOTC mechanism which can translate Java bytecode to native code. It can improve the performance of the Java programs. | 1.Yes/No | N/A |
| MTK_JEITA_STANDARD_SUPPORT | Change Battery Charging Current and Charging behavior to meet the requirement of BAttery-Temperature JEITA standard. | 1.Yes/No | N/A |

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| MTK_JPEG_HW_RESIZER_TYPE | specify MTK JPEG HW resizer type according to chip HW.<br>MT6575/77 = HW_RESIZER_TYPE0<br>MT6589 = HW_RESIZER_TYPE1<br>others = HW_RESIZER_TYPE2 | 4.Select | N |
| MTK_K64_SUPPORT | MT6752 needs Kernel-32bits and 64bits co-branch & QC, so need this feature<br>option.<br>K64 project need set YES. | 1.Yes/No | Y |
| MTK_KERNEL_POWER_OFF_CHARGING | yes : support KPOC feature, power off charging would running by kernel and<br>charging animation by IPO service.<br>no: not support KPOC feature, and power off charging would running by lk.<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_LAUNCHER_UNREAD_SUPPORT | java feature option used to switch on/off launcher unread shortcut feature, show<br>unread number of Email, message, phone and Calendar.<br>[dependency_relationship]:<br>no | 1.Yes/No | Y |
| MTK_LCM_DEVICE_TREE_SUPPORT | Decide whether to support LCM device tree based configuration. | 1.Yes/No | Y |
| MTK_LCM_PHYSICAL_ROTATION | To set the angle between dimension of UI layout and LCM scan direction<br>[dependency_relationship]: if MTK_LCM_PHYSICAL_ROTATION = 90, the<br>MTK_QVGA_LANDSCAPE_SUPPORT must be set as yes | 2.Text | Y |
| MTK_LIVEWALLPAPER_APP | To enable/disable feature Google default live Wallpapers on the project. If<br>MTK_LIVEWALLPAPER_APP = yes all Google default live wallpapers will be built<br>into bootimage and users can use this feature on their device, vice versa.<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_LOADER_BACKUP | Support legacy chip for update lk2 | 1.Yes/No | Y |
| MTK_LOCKSCREEN_TYPE | it has two values - 1 or 2. 1 stands for google default lockscreen, which we drag the<br>lock bar to right, then the phone can be unlocked. 2 stands for SlideLockScreen,<br>which we slide the screen up, then the phone can be unlocked.<br>[dependency_relationship]: no | 2.Text | N/A |
| MTK_LOG2SERVER_APP | Feature option for Log2Server. Log2Server is a feature for send exception log of<br>device to a specific server by mail or by wifi, then the server is handled the log and<br>make a CR with CQ Web.<br>[dependency_relationship]: If HAVE_AEE_FEATURE is set as no,<br>MTK_LOG2SERVER_APP must be set as no. | 1.Yes/No | N |
| MTK_LOG2SERVER_INTERNAL | This feature option is provide to ExceptionReporter for make a difference between<br>internal load and customer load. If MTK_LOG2SERVER_INTERNAL = yes, then<br>ExceptionReporter's server will try to create a CR with the submitter name, If<br>MTK_LOG2SERVER_INTERNAL = no, then it do nothing.<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_LOG_CUSTOMER_SUPPORT | Control mtk log daemon release in customer user load. Default value is no, mean<br>don't release mtk log daemon in customer user load, If customer need the log<br>daemon, they need modify the configure to yes. | 1.Yes/No | Y |
| MTK_LOG_SUPPORT_GPS | Enable or disable GPS log, default is on, only in customer user load will be off. | 1.Yes/No | Y |
| MTK_LOG_SUPPORT_MOBILE_LOG | feature option for mobile log. | 1.Yes/No | Y |
| MTK_LOMO_SUPPORT | Enable/Disable camera Lomo effect | 1.Yes/No | Y |
| MTK_LOW_BAND_TRAN_ANIM | Support low bandwith application transition animation. For some project HW power<br>does not enough, it can enhance application transition animation FPS.<br>[dependency_relationship]: no | 1.Yes/No | N/A |

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| MTK_LTE_DC_SUPPORT | The option represents that telephony framework support SGLTE architecture, The overall architecture is Non-Gemini java framework + Gemini native service + Gemini modem | 1.Yes/No | N/A |
| MTK_LTE_SUPPORT | The option represents that the UI support LTE capability, not for integrate with LTE MD<br>Ex. There may be a project with LTE MD, but project flavor is 2/3G only, so this option will be false, but AP integrate with LTE MD<br><br>Yes -> default network mode is 2/3/4g prefer, and there has 4g only menu items in the EM RAT mode setting<br>No -> default network mode is 2/3g prefer, and there has no 4g only menu items in the EM RAT mode setting | 1.Yes/No | N/A |
| MTK_LWA_SUPPORT | MTK_LWA_SUPPORT is used for enabled or disable 3GPP LWA (LTE Wi-Fi Aggregation) feature.<br><br>Yes: enable LWA function in Android side<br>No: disable LWA  function in Android side<br><br>[Feature]<br>SPOID00000130 LWA (LTE Wi-Fi Aggregation) | 1.Yes/No | Y |
| MTK_M4U_SUPPORT | Used to enable or disable multimedia HW to access non-physical-continuous memory. yes: multimedia HW can access non-physical-continuous memory directly. no: multimedia HW can only access physical continuous memory just like other common HW DMA.<br>[dependency_relationship]: no | 1.Yes/No | N |
| MTK_MAGICONFERENCE_SUPPORT | Feature Option for Magiconference support or not | 1.Yes/No | N |
| MTK_MASS_STORAGE | Let persist.sys.usb.config in default.prop as mass_storage.<br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_MATV_ANALOG_SUPPORT | mATV audio path mode selection: analog path:  MTK_MATV_ANALOG_SUPPORT = yes I2S path: MTK_MATV_ANALOG_SUPPORT = no<br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_MATV_SERIAL_IF_SUPPORT | MTK_MATV_PARALLEL_IF_SUPPORT is used to define mATV video path interface is parallel interface or serial interface.<br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_MAV_PLAYBACK_SUPPORT | The feature can provide a picutre is like 3D picture. You can wave device left and right then can see the picture display multi-Angle for this image<br><br>[dependency_relationship]:<br><br>yes<br><br>MTK_CAM_MAV_SUPPORT | 1.Yes/No | N/A |
| MTK_MD1_SUPPORT | modem 1 mode.<br>[dependency_relationship]: no | 4.Select | Y |
| MTK_MD2_SUPPORT | modem 2 mode<br>[dependency_relationship]: no | 4.Select | Y |

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| MTK_MD3_SUPPORT | Set MD3(C2K) modem type<br><br>[dependency_relationship]: no | 3.Number | Y |
| MTK_MD5_SUPPORT | Set MD5 modem type<br>[dependency_relationship]: no | 3.Number | N/A |
| MTK_MDLOGGER_SUPPORT | It's used to control MDLogger which output the Modem Log and Memory dump information.<br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_MDM_APP | Switch for DM in-house solution.<br>[dependency_relationship]: MTK_MDM_APP, MTK_DM_APP and MTK_RSDM_APP are exclusive. (Only one can be enabled at the same time | 1.Yes/No | N/A |
| MTK_MDM_FUMO | FUMO support for MediatekDM package.<br>[dependency_relationship]: MTK_MDM_APP and MTK_FOTA_SUPPORT must both be yes to set MTK_MDM_FUMO to yes. | 1.Yes/No | N/A |
| MTK_MDM_LAWMO | LAWMO support for MediatekDM package.<br>[dependency_relationship]: MTK_MDM_APP must be yes to set MTK_MDM_LAWMO to yes. | 1.Yes/No | N/A |
| MTK_MDM_SCOMO | SCOMO support for MediatekDM package.<br>[dependency_relationship]: MTK_MDM_APP must be yes to set MTK_MDM_SCOMO to yes. | 1.Yes/No | N/A |
| MTK_MD_DIRECT_TETHERING_SUPPORT | Used to describe whether MD direct tethering is supported or not.<br>yes: Support MD direct tethering<br>no: Does not support MD direct tethering<br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_MD_LOW_BAT_SUPPORT | MTK_MD_LOW_BAT_SUPPORT = no/yes<br>yes: when device is in lower battery state, AP notify modem to reduce tx power for protection.<br>no: when device is in lower battery state, AP not notify modem to reduce tx power for protection. | 1.Yes/No | Y |
| MTK_MD_SHUT_DOWN_NT | This feature option is used by user space service. Some platform support power off MD CMOS circle individually, this new HW power off technology need user space service using different operation flow. We using this option to distinguish.<br>[dependency_relationship]: no | 1.Yes/No | N |
| MTK_MEMORY_COMPRESSION_SUPPORT | MTK_MEMORY_COMPRESSION_SUPPORT=yes, means to enable memory compression related features for LCA project.<br>[dependency_relationship]: No feature option dependency, but depend on kernel config (CONFIG_ZRAM) | 1.Yes/No | N/A |
| MTK_MERGE_INTERFACE_SUPPORT | mergeinterface setting between 6628 and 6589<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_META_RSSITRIGGER_SUPPORT | This feature option is used to set meta mode enable wifi connection by WIFI RSSI.<br>If set it as yes, will trigger by WIFI RSSI. If set it as no, will trigger by volume up key.<br>And default will use volume up key. | 1.Yes/No | Y |
| MTK_MFV_MPEG4_EXTRA | For mpeg-4 development stage testing option<br>[dependency_relationship]: no | 2.Text | N/A |
| MTK_MIRAVISION_IMAGE_DC_SUPPORT | yes: support Dynamic Contrast on Photo<br>no: no Dynamic Contrast on Photo<br><br>[dependency_relationship]: no | 1.Yes/No | N |

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| MTK_MIRAVISION_SETTING_SUPPORT | yes: support MiraVision in display setting menu<br><br>no: no MiraVision setting<br><br><br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_MKV_PLAYBACK_ENHANCEMENT | MKV support MPEG4,HEVC,AVC codec<br>phone will phase out | 1.Yes/No | N |
| MTK_MLC_NAND_SUPPORT | Yes: Support MLC NAND device<br>No: Not support MLC NAND device | 1.Yes/No | Y |
| MTK_MMPROFILE_SUPPORT | Multimedia profiling mechanism<br>[dependency_relationship]: no | 1.Yes/No | N |
| MTK_MMUMAP_SUPPORT | [not use after 6589] | 2.Text | N |
| MTK_MOBILE_MANAGEMENT | yes: In Android JB/KK/LM, this means enable new system service &quot;Mobile Manager Service&quot; ; Since Android N, this means enable  CTA Security spec needed features.<br><br>[dependency_relationship]: no<br><br><br><br>[ Feature Usage ]<br><br> - for fit 2013 YDT 2407  security specification announced by CTTL CTA<br><br> - for products sold in China, all device must be satisfied with ata least level 1 ~ level 4<br><br> - the main concept is to monitor all application usage, especially when<br><br>   - enable WIFI / BT / GPS / NFC / Data Connection...<br><br>   - read privacy data eg. SMS / MMS / ...<br><br>  when detecting above situations, permission controller will prompt user confirm dialog for user to choose. | 1.Yes/No | N/A |
| MTK_MODEM_MONITOR_SUPPORT | Feature option for Modem Monitor(MDM) Framework (ALFMS00693213). This feature is designed to be a common feature, A feature option can let users have a method  to close this feature if they do not use it. | 1.Yes/No | N |
| MTK_MODEM_SUPPORT | For Platform: MT6573, MT6575 If it is equal to "modem_2g", means only support 2g modem. If it is equal to "modem_3g", means  support 2g and 3g modem<br>[dependency_relationship]: if MTK_MODEM_SUPPORT = modem_3g, the modem side:L1_3GSOLUTION must be set as MTK_UL1_FDD if MTK_MODEM_SUPPORT = modem_2g, the modem side: L1_3GSOLUTION should not be defined | 2.Text | Y |
| MTK_MP2_PLAYBACK_SUPPORT | if the feature option is yes, we will support mp2 playback.<br>phone will phase out | 1.Yes/No | N |

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| MTK_MPEG_DASH_SUPPORT | support mpeg dash stream feature in Android.<br>Yes : support it<br>No : unsupport it | 1.Yes/No | N |
| MTK_MSDC1_NOT_SUPPORT_SDR104 | mt6592 720p msdc1config,no support SDR104<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_MT6306_SUPPORT | This feature option is for K2 EVB & Common Phone PCB. It uses an MT6306 IC for GPIO extender.<br>Currently, some GPS/NFC/Camera/MHL pins are connected to MT6306.<br>For the customer reference schematic, it's removed.<br>So, this feature option is just for internal project use, it should be turned off when doing customer release. | 1.Yes/No | Y |
| MTK_MT6333_SUPPORT | If PCB support MT6333, please set yes. otherwise set no.<br>[dependency_relationship]: no | 1.Yes/No | N |
| MTK_MT8193_HDCP_SUPPORT | MTK_MT8193_HDCP_SUPPORT=no means disable hdcp<br><br>MTK_MT8193_HDCP_SUPPORT=yes means enable hdcp<br><br>[dependency_relationship]:<br>MTK_HDMI_SUPPORT/MTK_MT8193_HDMI_SUPPORT | 1.Yes/No | Y |
| MTK_MT8193_HDMI_SUPPORT | [dependency_relationship]: MTK_MT8193_SUPPORT | 1.Yes/No | Y |
| MTK_MT8193_NFI_SUPPORT | [dependency_relationship]: if MTK_MT8193_NFI_SUPPORT turns on, MTK_MT8193_SUPPORT should be true | 2.Text | N |
| MTK_MT8193_SUPPORT | [dependency_relationship]: 1.if MTK_MT8193_HDCP_SUPPORT turns on, MTK_MT8193_HDMI_SUPPORT should be turned ON at same time<br>2.if MTK_MT8193_HDMI_SUPPORT turns on, MTK_MT8193_SUPPORT should be turned ON at same time<br>3.if MTK_MT8193_NFI_SUPPORT turns on, MTK_MT8193_SUPPORT should be turned on. | 1.Yes/No | N/A |
| MTK_MTKLOGGER_SUPPORT | Feature option for include or exclude MTKLogger from load | 1.Yes/No | N |
| MTK_MTKPS_PLAYBACK_SUPPORT | enable/disable mtkps playback feature<br><br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_MULTIBRIDGE_SUPPORT | [dependency_relationship]: This feature option is for companion chip MT8193 use.<br>if MTK_MULTIBRIDGE_SUPPORT = Yes, need set<br>CUSTOM_KERNEL_MULTIBRIDGE = mt8193 | 1.Yes/No | N/A |
| MTK_MULTISIM_RINGTONE_SUPPORT | Use to set multi sim card ringtone/video call/sip call.<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_MULTI_LOG_SD | Due to the continued increase in the amount of log (the peak will larger than 10MB / s), the current mechanism is write different log files at same time, affect the speed of the SD card write. We will add a new feature, write different log into a single file in order to improve the speed of the write. All current MD will unite to one file, mobilelog and netlog will unite to one file. It will use this configure to control the feature. | 4.Select | Y |
| MTK_MULTI_PARTITION_MOUNT_ONLY_SUPPORT | Enable/disable USB OTG to mount multi-partition USB disk<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_MULTI_SIM_SUPPORT | for multi-SIM configuration. | 4.Select | Y |

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| MTK_MULTI_STORAGE_SUPPORT | Support more than 1 SD. Some write app can save to one of the storages. Ex: Camera,recorder,browser,BT,ATV,CMMB.  Mount service  can mount multi-storage. And Media scanner will scan all storages.<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_MULTI_WINDOW_SUPPORT | open option to support multi window on tablet,<br><br>the value is yes & no , yes means open feature | 1.Yes/No | Y |
| MTK_MUX_CHANNEL | define the num of channel | 4.Select | N |
| MTK_NAND_MTK_FTL_SUPPORT | For MTK NAND projects, we provide MTK_FTL algorithm to support EXT4 file system, such that corresponding application can be applied | 1.Yes/No | Y |
| MTK_NAND_PAGE_SIZE | Page Size of Nand we used<br>[dependency_relationship]: no | 2.Text | Y |
| MTK_NAND_UBIFS_SUPPORT | Support using UBIFS rather than yaffs2 in NAND<br>[dependency_relationship]: no | 2.Text | Y |
| MTK_NATIVE_FENCE_SUPPORT | [not use after KK] Natvie Fence support | 1.Yes/No | N |
| MTK_NEON_SUPPORT | Control which library to use according to whether NEON HW support or not<br>[dependency_relationship]: no | 2.Text | N |
| MTK_NETWORK_LOG_SUPPORT | 1. Use this feature to control network log daemon built-in.<br>2. Due to current security problem. Add this feature for customer to remove daemon on end user load.<br>3. Default value is yes | 1.Yes/No | Y |
| MTK_NETWORK_TYPE_ALWAYS_ON | This feature option is for open market to pass CTA lab test<br><br>To show network type (ex: &quot;3G&quot;) string in operator name display<br><br>[dependency_relationship]: N/A | 1.Yes/No | Y |
| MTK_NETWORK_TYPE_DISPLAY | Support different display for available networks. show 2G/3G indication for 3g project.<br><br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_NET_RFC7217 | AT&T need MTK to support RFC7217 Feature,<br>but this feature make some operator IOT fail ,so<br> we Just Enable this feature on AT&T branch/project. | 1.Yes/No | Y |
| MTK_NEW_COMBO_EMMC_SUPPORT | Add option for new combo-emmc in mt6592<br>yes: means the option is enable<br>no: means the option is disable | 1.Yes/No | N/A |
| MTK_NEW_IPTABLES_SUPPORT | Update iptalbes version to 1.4.10 or use Android default iptables(version 1.3.7)<br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_NFC_ADDON_SUPPORT | Describe whether MTK customized NFC control options are visible from Settings:<br>(1). Reader mode control<br>(2). P2P mode control<br>(3). Card mode and secure element control<br>If this option is off, the appearance of NFC settings will be the original Google&apos;s one. | 1.Yes/No | Y |
| MTK_NFC_APP_SUPPORT | Options for NFC Operator Customization & Tag Read/Write App<br>[dependency_relationship]: MTK_NFC_ADDON_SUPPORT=yes &<br>MTK_NFC_APP_SUPPORT=yes depend on MTK_NFC_SUPPORT=yes | 1.Yes/No | Y |

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| MTK_NFC_FW_MT6605 | yes: support NFC<br>[dependency_relationship]: CONFIG_MTK_NFC should be turned ON/OFF with MTK_NFC_SUPPORT at the same time | 1.Yes/No | N/A |
| MTK_NFC_GSMA_SUPPORT | this FO is for turn on/off  the MTK NFC solution which supoort of the GSMA NFC Handset requirement. | 1.Yes/No | Y |
| MTK_NFC_HCE_SUPPORT | Enable NFC Host-based Card Emulation | 1.Yes/No | N |
| MTK_NFC_MT6605 | no: support NFC<br><br>[dependency_relationship]: yes: support NFC | 1.Yes/No | N/A |
| MTK_NFC_OMAAC_SUPPORT | If the option is yes, OpenMobileAPI & Access Controll is supported. Access Control solution is GPAC.<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_NFC_OMAAC_VER | Specify the SmartcardService version via feature option "MTK_NFC_OMAAC_VER" to provide the version option of SmartcardService in compiling time. | 2.Text | N |
| MTK_NFC_PACKAGE | this FO defines mtk nfc solution use which NFC stack | 4.Select | Y |
| MTK_NFC_SE_NUM | We use this option (MTK_NFC_SE_NUM) to know the number of secure elements and the type of secure elements for the projects with NFC<br>[dependency_relationship]: no | 4.Select | N/A |
| MTK_NFC_SUPPORT | Enable or disable NFC.<br><br>[dependency_relationship]: N/A | 1.Yes/No | Y |
| MTK_NLP_SUPPORT | mtk nlp proxy feature to support auto switch NLP or multiple NLP support. | 1.Yes/No | N |
| MTK_NO_NEED_USB_LED | remove LED ON when USB plug in<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_NO_TRAN_ANIM | Support switch off application transition animation<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_NTFS_OPENSOURCE_SUPPORT | add open source ntfs-3g to support ntfs u-disk/sdcard | 1.Yes/No | N |
| MTK_NUM_MODEM_PROTOCOL | for sync multi-SIM config between AP and MD | 4.Select | Y |
| MTK_NVCONFIG_PARTITION_SUPPORT | A MTK proprietary nvram partition for applications saving their configurations in order to keep data after factory-reset. | 1.Yes/No | N |
| MTK_NVRAM_SECURITY | 1. This option is for moto nvram security 2. all project is set to &quot;no&quot; except project mt6577_evb_mt,mt6577_phone_mt,moto77_ics<br>[dependency_relationship]: No | 1.Yes/No | N |
| MTK_O2_ENTITLEMENT_SUPPORT | O2 Specific Entitlement Support Feature which can be configured by customer | 1.Yes/No | Y |
| MTK_OD_SUPPORT | This feature option turns on/off MTK LCD OverDrive functionality. | 1.Yes/No | Y |
| MTK_OGG_RECORD_SUPPORT | support ogg recording feature<br>phone has phase out | 1.Yes/No | N |
| MTK_OGM_PLAYBACK_SUPPORT | enable/disable ogm and mtkps playback feature<br><br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_OMACP_SUPPORT | It is the feature option of a apk called Omacp whose source code path is: alps/mediatek/source/packages/Omacp.  OMA CP is Client Provisioning, and it is used to modify the application&apos;s settings over push message usually from the operator, such as browse<br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_OMADRM_SUPPORT | Enable or disable the OMA DRM feature this feature is implemented according to OMA DRM  specification.<br>If Yes then OMA DRM is enabled;<br>If No then OMA DRM is disabled.<br>Default value is yes. | 1.Yes/No | Y |

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| MTK_OMA_DOWNLOAD_SUPPORT | This option is used to enable or disable OMA download feature in our device.    If this feature option is enable, the device can support OMA download.    If this feature option is disable, the device do not support OMA download.<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_ONLY_OWNER_SIM_SUPPORT | MTK_ONLY_OWNER_SIM_SUPPORT=yes, means it will enable MTK Multiuser for 3gdata_sms solution.<br>[dependency_relationship]: If MTK_ONLY_OWNER_SIM_SUPPORT=yes, we must set  MTK_SHARED_SDCARD = yes | 1.Yes/No | N/A |
| MTK_OP07_DIAG_SUPPORT | This feature option enables Modem Diagnostics Interface agent shared library which provides modem and device statistics to the operator. | 1.Yes/No | N |
| MTK_OPERAMAX_SUPPORT | MTK_OPERAMAX_SUPPORT<br>for add 3rd party app(operaMax)<br>OuPengApp/OperaMaxApp/OperaMaxSystem/OperaMaxLoader | 4.Select | Y |
| MTK_OVERLAY_ENGINE_SUPPORT | Implement overlay engine for multiple application to share overlay HW.<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_OVERRIDES_APKS | Control use MTK override APK or AOSP original APK.<br>Yes: means use MTK override APK<br>No: means use AOSP original APK<br>Default: Yes | 1.Yes/No | Y |
| MTK_OWNER_SDCARD_ONLY_SUPPORT | MTK_OWNER_SDCARD_ONLY_SUPPORT<br>=yes, means it will enable MTK Multiuser for External SDcard solution.<br>[dependency_relationship]: If MTK_ONLY_OWNER_SIM_SUPPORT=yes, we must set  MTK_SHARED_SDCARD = yes | 1.Yes/No | N/A |
| MTK_PARTITION_TABLE_PLAIN_TEXT | yes:support yaml partition table<br>no:support xls format partition table<br>[dependency_relationship]: MTK_NEW_PARTITION_TABLE should be turned on when MTK_PARTITION_TABLE_PLAIN_TEXT=yes. | 1.Yes/No | N/A |
| MTK_PASSPOINT_R1_SUPPORT | Support Passpoint R1 (Hotspot 2.0 R1) | 1.Yes/No | N |
| MTK_PASSPOINT_R2_SUPPORT | Support Passpoint R2 (Hotspot 2.0 R2) | 1.Yes/No | Y |
| MTK_PCA9575A_SUPPORT | To support GPIO Extended chip PCA9575A | 1.Yes/No | Y |
| MTK_PCB_BATTERY_SENSOR | This feature option turns on/off the corresponding driver of a on-PCB thermistor.<br>This feature option is PCB design dependent. Turning on this feature option without correspondent on-PCB thermistor is undefined. | 1.Yes/No | Y |
| MTK_PCM_RECORD_SUPPORT | if the config is yes, we will support pcm record<br>phone will not support this feature | 1.Yes/No | N |
| MTK_PERFSERVICE_SUPPORT | Support PerfService<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_PERMISSION_CONTROL | When this option is set to "yes", "MTK In House permission control" package will be built and the related UI in settings will be added in<br>[dependency_relationship]: if MTK_PERMISSION_CONTROL= yes, the MTK_MOBILE_MANAGEMENT must be set as yes | 1.Yes/No | Y |
| MTK_PERSIST_PARTITION_SUPPORT | The option is to support persist partition | 1.Yes/No | Y |
| MTK_PHONE_VT_VOICE_ANSWER | Enable answer by voice call feature for 3G-324M Video Telephony. Answer by voice call is a OP01 feature and the user can answer a video call by voice call.<br><br>[dependency_relationship]: If OPTR_SPEC_SEG_DEF = OP01_SPEC0200_SEGC and MTK_VT3G324M_SUPPORT=yes, then MTK_PHONE_VT_VOICE_ANSWER = yes; if OPTR_SPEC_SEG_DEF!= OP01_SPEC0200_SEGC or MTK_VT3G324M_SUPPORT=no, then MTK_PHONE_VT_VOICE_ANSWER = no | 1.Yes/No | N/A |

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|---|---|---|---|
| MTK_PLATFORM | Define hardware platfrom<br>[dependency_relationship]: no,can not be modify | 2.Text | N |
| MTK_PLATFORM_OPTIMIZE | Support IC effuse check<br>[dependency_relationship]: no | 1.Yes/No | N |
| MTK_PLAYBACK_60FPS_TO_30FPS | 60fps to 30fps support for MTK android BOX.<br><br>8127 BOX project with 60fps to 30fps feature will use this option to separate with others.<br><br>Add a line to alps/mediatek/config/common/ProjectConfig.mk<br><br>MTK_PLAYBACK_60FPS_TO_30FPS = no<br><br>Append MTK_PLAYBACK_60FPS_TO_30FPS to AUTO_ADD_GLOBAL_DEFINE_BY_NAME<br><br>At this moment, we use Virtual branch for developi<br><br>ng. So KK.MP10 branch keeps the option to be not opened<br><br>(but in our virtual branch it opened). | 1.Yes/No | Y |
| MTK_PLAYREADY_SUPPORT | PlayReady feature is a secure video playback feature based on TEE<br><br>It include SVP(secure video path) based on TEE ,and PlayReady solution(secure video decryption function) provided by 3rd party(Discretix)<br><br>=yes means PlayReady feature is supported<br><br>=no means PlayReady feautre is not supported | 1.Yes/No | Y |
| MTK_PMIC_MT6397 | select PMIC MT6397 | 1.Yes/No | Y |
| MTK_PM_STATS_SUPPORT | Support kernel suspend/resume statistics inquiry<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_POST_PROCESS_FRAMEWORK_SUPPORT | Use this option to enable post processing framework with software de-interlacing feature | 1.Yes/No | N |
| MTK_POWER_EXT_DETECT | this options is for 71 EVB & Phone share load use<br> if enable, the load can be shared between phone and evb<br> for internal use only, for customer's project, need to be off.<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_PQ_COLOR_MODE | DISP: enable DISP COLOR<br>MDP: enable MDP COLOR<br>DISP_MDP: enable both DISP COLOR and MDP COLOR<br>OFF: disable COLOR feature<br><br>[dependency_relationship]: no | 4.Select | Y |

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|---|---|---|---|
| MTK_PQ_SUPPORT | PQ_HW_VER_1: enable PQ sharpness feature (mt6589)<br><br>PQ_HW_VER_2: enable PQ sharpness feature (other chips)<br><br>PQ_OFF: disable PQ PQ sharpness feature<br><br><br>[dependency_relationship]: no | 2.Text | N/A |
| MTK_PRIVACY_PROTECTION_LOCK | Support CTA Level 3 requirement for 2 feature set<br>1)remote screen lock<br>2)remote user date erase<br>Implement by SMS | 1.Yes/No | Y |
| MTK_PRODUCT_INFO_SUPPORT | This feature is designed for customer to store product info file to a new nvram parititon.<br>[dependency_relationship]: No | 1.Yes/No | Y |
| MTK_PRODUCT_LOCALES | To control resource build. The value would be assigned to PRODUCT_LOCALES under build/target/product/XXX.mk (XXX is each project&apos;s name)<br>[dependency_relationship]: no | 2.Text | Y |

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|---|---|---|---|
| MTK_PROTOCOL1_RAT_CONFIG | The current configuration of feature option to build suitable 3M/4M/5M/6M is complex.<br><br>In order to reduce the following option,<br>MTK_WORLD_PHONE<br>MTK_LTE_SUPPORT<br>MTK_C2K_SUPPORT<br>MTK_C2K_OM_MODE<br>MTK_SVLTE_LCG_SUPPORT<br>, this new option is used instead.<br>It express the max supported capability of protocol stack 1 of this load.<br><br>For example<br>set MTK_PROTOCOL1_RAT_CONFIG = {RAT}<br>in project config -<br>{RAT} could be<br>Lf/Lt/W/T/G // 5M<br>Lf/Lt/W/G // 4M<br>Lt/T/G // 3M<br>C/Lf/Lt/W/T/G // 6M<br>C/Lf/Lt/W/G // 5M<br>C/Lf/Lt/G // 4M<br>C/W/G // 3M<br>, then we have more easy way to configure and build the specified load.<br><br>note:<br>The originally name is MTK_RAT_CONFIG.<br>To support L+W projects and avoid mistake, it renames as<br>MTK_PROTOCOL1_RAT_CONFIG<br>for protocol stack 1 configuration<br><br>wiki page http://wiki/display/WCDACF/MTK_RAT_CONFIG | 4.Select | Y |
| MTK_PROTOCOL2_RAT_CONFIG | to config MD1 protocol 2 capability | 4.Select | Y |
| MTK_PROTOCOL3_RAT_CONFIG | For SIM slot 3 protocol stack configuration | 4.Select | Y |
| MTK_PUMP_EXPRESS_PLUS_30_SUPPORT | if MTK_PUMP_EXPRESS_PLUS_20_SUPPORT is defined, enable pump express plus 20 feature , Otherwise, disable the pump express plus 20 feature. | 1.Yes/No | Y |
| MTK_PUMP_EXPRESS_SUPPORT | if MTK_PUMP_EXPRESS_SUPPORT is defined, enable pump express feature , Otherwise, disable the pump express feature. | 1.Yes/No | Y |
| MTK_QOS_SUPPORT | To enable or disable QOS feature | 1.Yes/No | N |

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|---|---|---|---|
| MTK_RADIOOFF_POWER_OFF_MD | MTK_RADIOOFF_POWER_OFF_MD=yes means to turn off modem when radio off<br>MTK_RADIOOFF_POWER_OFF_MD=no means not to turn off modem when radio off<br><br>This option only works for DualTalk project.<br><br>[dependency_relationship]: ifeq (yes, $(strip $(MTK_SIM_HOT_SWAP)))<br>  ifneq (no, $(strip $(Add MTK_RADIOOFF_POWER_OFF_MD)))<br>    $(call dep-err-ona-or-offb, MTK_RADIOOFF_POWER_OFF_MD,<br>MTK_SIM_HOT_SWAP)<br>  endif<br>endif | 1.Yes/No | Y |
| MTK_RAT_BALANCING | This feature options is for AT&T requirement , to support ENS RAT Balancing feature.<br><br>[dependency_relationship]: Yes. If OPTR_SPEC = OP07 (AT&T) , then this feature shall be enabled. | 1.Yes/No | Y |
| MTK_RAT_WCDMA_PREFERRED | This feature option is to define if we support features for RAT WCDMA PREFERRED network mode MTK_RAT_WCDMA_PREFERRED = yes means that RAT WCDMA PREFERRED network mode is enabled in current project, vice versa<br>[dependency_relationship]: No dependency | 1.Yes/No | Y |
| MTK_RAWFS_NAND_SUPPORT | This feature is for NAND Flash only. The purpose of RAWFS is reducing the size of the protect partitions (protect_f & protect_s). The protect partition is used to save important MD data, such as SIM-ME-Lock. By enabling this feature, the system will replace two YAFFS2 partitions with one RAWFS partition. For 4KB page NAND Flash memory, enable this feature will save around 5.5MB of Flash space.<br><br><br>Important Notice:<br><br>1. Switching this feature changes the partition layout, which requires format whole flash before download.<br><br>2. This feature should be disabled, if customers had already used protect partition as the storage of other data. | 1.Yes/No | Y |
| MTK_RCSE_SUPPORT | Mediatek RCS-e resolution yes: support mediatek RCS-e solution no: NOT support mediatek RCS-e solution<br>[dependency_relationship]: No dependency | 1.Yes/No | N/A |
| MTK_RCS_SUPPORT | Add build option for feature CMCC RCS support. | 4.Select | Y |
| MTK_REGIONALPHONE_SUPPORT | MTK_REGIONALPHONE_SUPPORT=yes, means regional phone feature will be enabled<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_RELEASE_PACKAGE | Define release package for differernt codebase of different customer.(Different customer may get different number of source files)<br>[dependency_relationship]: no | 2.Text | N |
| MTK_RESOLUTION_SWITCH_SUPPORT | resolution switch feature support | 1.Yes/No | Y |

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| MTK_RESOURCE_OPTIMIZATION | Hongwei Wang<br>[dependency_relationship]: | 2.Text | N/A |
| MTK_RILD_READ_IMSI | If MTK_RILD_READ_IMSI=yes, rild will try to read IMSI during initialization<br>If MTK_RILD_READ_IMSI=no, rild will not try to read IMSI<br>[dependency_relationship]: no | 2.Text | N/A |
| MTK_RIL_MODE | To decide RILD mode | 4.Select | N |
| MTK_ROTATION_OFFSET_SUPPORT | add the in-house GPU pre-rotation feature | 1.Yes/No | N |
| MTK_RSDM_APP | if MTK_RSDM_APP is yes,need to build "rsdm.apk"<br>[dependency_relationship]: MTK_DM_APP and MTK_RSDM_APP is mutual exclusion FeatureOption, only one can be open. | 1.Yes/No | N/A |
| MTK_RTP_OVER_RTSP_SUPPORT | use to enable/disable rtp over rtsp feature<br>[dependency_relationship]: no | 2.Text | Y |
| MTK_RTSP_BITRATE_ADAPTATION_SUPPORT | enable/disable rtsp bitrate adaptation feature<br><br>Add this compile option for RTSP Streaming to do judgement: if enable, support bitrate adaptation<br><br>Default setting:<br><br>eabled on TDD projects, disabled on other projects<br><br>[dependency_relationship]: No dependency | 1.Yes/No | Y |
| MTK_RUNNING_BOOSTER_DEFAULT_ON | MTK_RUNNING_BOOSTER_DEFAULT_ON= yes : Running Booster (Simple Task Mode)   UI on/off switch status is on<br><br>MTK_RUNNING_BOOSTER_DEFAULT_ON = no : Running Booster (Simple Task Mode)  UI on/off switch status is off | 4.Select | N |
| MTK_RUNNING_BOOSTER_SUPPORT | MTK_RUNNING_BOOSTER_SUPPORT = yes : Support Running Booster (Simple Task Mode) feature<br><br>MTK_RUNNING_BOOSTER_SUPPORT = no : NOT Support Running Booster (Simple Task Mode)  feature | 1.Yes/No | N |
| MTK_RUNNING_BOOSTER_UPGRADE | MTK_RUNNING_BOOSTER_UPGRADE = yes : Allow Running Booster (Simple Task Mode)  APK on-line upgrade<br><br>MTK_RUNNING_BOOSTER_SUPPORT = no : Deny Running Booster (Simple Task Mode) APK on-line upgrade | 1.Yes/No | N |
| MTK_RUNTIME_PERMISSION_SUPPORT | Feature option for MTK&apos;s implementation of runtime permission. (Runtime permission will only apply on 3rd party apps) | 1.Yes/No | Y |
| MTK_SCOMO_ENTRY | Entry switch of SCOMO<br>[dependency_relationship]:<br>IF  MTK_SMSREG_APP = no<br>THEN  MTK_DM_APP = no<br><br>IF MTK_DM_APP = no<br>   MTK_SCOMO_ENTRY = no<br><br>IF  MTK_FOTA_SUPPORT = no  or MTK_DM_APP = no<br>THEN   MTK_FOTA_ENTRY = no | 1.Yes/No | Y |

| Feature Option | Description | Type | Default |
|---|---|---|---|
| MTK_SCREEN_OFF_WIFI_OFF | When this feature option is set to true, disable Wi-Fi immediately after user press power key to turn screen off<br>[dependency_relationship]: no | 2.Text | N/A |
| MTK_SDIOAUTOK_SUPPORT | This feature option is used to enable SDIOAutoKService<br>LTE driver can take advantage of SDIOAutoKService to invoke auto-K process.<br>Auto-K process can also use SDIOAutoKService to do File IO<br>yes: Support SDIOAutoKService<br>no: Not support SDIOAutoKService<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_SEARCH_DB_SUPPORT | It is used to control database operation for contacts and call log search, and shared by both Java code and native code.<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_SEC_MODEM_AUTH | If this feature is enabled, then only trusted modem load can be booted up<br>Description of option value: (1) yes : target will authenticate it at boot time (2) no : target won't verify modem load<br>[dependency_relationship]: If MTK_SEC_MODEM_AUTH is yes, MTK_SEC_MODEM_ENCODE should be yes as well, and only when both are yes, the modem image will be signed. | 1.Yes/No | Y |
| MTK_SEC_MODEM_ENCODE | If this feature is enabled, modem load will be encrypted  Description of option value: (1) yes : modem image will be encrypted at build time (2) no : modem image won't be encrypted<br>[dependency_relationship]:  if MTK_SECURITY_SW_SUPPORT = "no" , then it won't be encrypted. | 1.Yes/No | Y |
| MTK_SEC_MODEM_NVRAM_ANTI_CLONE | This option is used to enable modem NVRAM anti-clone functionality<br>[dependency_relationship]: yes<br>If this option is turned on, the modem part should also turn on for the following setting<br>1. Modem project file<br>CUSTOM_OPTION += __NVRAM_BIND_TO_CHIP_CIPHER__<br>2. by default, only two LID is defaulted has MSP attribute<br>(1)NVRAM_EF_SML_LID<br>(2)NVRAM_EF_SIM_LOCK_LID<br>3. if want to turn on specific LID, please add attribute NVRAM_ATTR_MSP | 1.Yes/No | Y |
| MTK_SEC_SECRO_AC_SUPPORT | to enable modem secro support MTK_SEC_SECRO_AC_SUPPORT yes : enable modem secro support no : disable modem secro support<br>[dependency_relationship]: No | 1.Yes/No | N |
| MTK_SEC_VIDEO_PATH_SUPPORT | support MTK Secure Video Path<br>[dependency_relationship]: if MTK_SEC_VIDEO_PATH_SUPPORT = yes then<br>    MTK_IN_HOUSE_TEE_SUPPORT must be set to yes, or<br>    TRUSTONIC_TEE_SUPPORT must be set to yes | 1.Yes/No | N/A |
| MTK_SEC_WFD_VIDEO_PATH_SUPPORT | Support secure WFD video path<br>[dependency_relationship]: If yes, following options should beyes:MTK_WFD_HDCP_TX_SUPPORT;MTK_SEC_VIDEO_PATH_SUPPORT;MTK_IN_HOUSE_TEE_SUPPORT | 1.Yes/No | N/A |
| MTK_SEND_RR_SUPPORT | support send read report when received a mms with replying read report request.<br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_SENSORS_1_0 | Use to control the open/close new sensor arch in Android O. | 1.Yes/No | N |
| MTK_SENSOR_BIO | sensor boost io transfer flow, new sensor arch | 1.Yes/No | N |

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| MTK_SENSOR_HUB_SUPPORT | For switching sensor hub feature<br>Yes: enable feature<br>No:disable feature | 1.Yes/No | N |
| MTK_SENSOR_SUPPORT | sensor config to sensor port sensor feature in project<br>[dependency_relationship]: If MTK_SENSOR_SUPPORT=yes<br>CUSTOM_HAL_SENSORS=sensors must be set | 1.Yes/No | Y |
| MTK_SHARED_SDCARD | sdcard will be a folder of /data<br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_SHARE_MODEM_CURRENT | Extend our Gemini feature to support daul RIL with single modem logistic.<br><br>[dependency_relationship]: If MTK_SHARE_MODEM_SUPPORT = 2, then<br>MTK_SHARE_MODEM_CURRENT = 2 or 1 | 4.Select | N/A |
| MTK_SHARE_MODEM_SUPPORT | Capability of the underlay modem<br>[dependency_relationship]: If MTK_SHARE_MODEM_SUPPORT = 1,  then<br>MTK_SHARE_MODEM_CURRENT = 1 | 4.Select | N/A |
| MTK_SHOW_MSENSOR_TOAST_SUPPORT | this feature is used for notification when Msensor accuracy is not good in the<br>situation that user is using a m-sensor related APK. a toast will be showen when m-<br>sensor accuracy is not good once<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_SIGNATURE_CUSTOMIZATION | A mechanism for customer to enable their own sign key.<br>[dependency_relationship]: no | 2.Text | Y |
| MTK_SIGNMODEM_SUPPORT | A mechanism for customer to enable sign modem action<br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_SIM1_SOCKET_TYPE | description =MTK_SIM1_SOCKET_TYPE=1: support SIM type 1 socket type<br>[dependency_relationship]: no | 2.Text | Y |
| MTK_SIM2_SOCKET_TYPE | description =MTK_SIM1_SOCKET_TYPE=1: support type 1 socket type<br>[dependency_relationship]: no | 2.Text | Y |
| MTK_SIM_HOT_SWAP | This option is used to specify SIM Hot Swap is supported or not<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_SIM_HOT_SWAP_COMMON_SLOT | For SIM hot swap feature with common slot HW design.<br>[dependency_relationship]: yes. MTK_SIM_HOT_SWAP_COMMON_SLOT is<br>based on MTK_SIM_HOT_SWAP, so MTK_SIM_HOT_SWAP shall also be<br>enabled. | 1.Yes/No | N |
| MTK_SIM_RECOVERY | This feature option is to define if we support features for SIM Recovery<br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_SINA_WEIBO_SUPPORT | Decide whether to pre-build 3rd party app Sina Weibo or not.<br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_SINGLE_3DSHOT_SUPPORT | Control snigle cam 3d capture support or not | 1.Yes/No | N/A |
| MTK_SINGLE_IMEI | yes: show one IMEI string on signle talk project<br><br>no: show multiple IMEI strings on multiple SIM card<br><br>[dependency_relationship]: no | 1.Yes/No | N/A |

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|---|---|---|---|
| MTK_SIP_SUPPORT | yes: Enable SIP VOIP feature<br><br>no: Disable SIP VOIP feature<br><br>[dependency_relationship]: no<br><br><br>Feature Description:<br><br>1.SIP VoIP is the google default feature and MTK provides a feature option to turn on/off it according to operator & customer requirements<br><br>2.As long as the device can obtain the IP address via any way (e.g., WIFI or 2/3/4G Data Service), it can turn on MTK_SIP_SUPPORT=yes | 1.Yes/No | Y |
| MTK_SLC_BUFFER_SUPPORT | For enable SLC buffer Method for MLC/TLC NAND on Rainier | 1.Yes/No | Y |
| MTK_SLIDEVIDEO_SUPPORT | MTK_SLIDEVIDEO_SUPPORT | 1.Yes/No | N/A |
| MTK_SLOW_MOTION_VIDEO_SUPPORT | Enable &quot;Slow motion video&quot; feature on mt6592_phone_turbo on KK1.MP1 for feature release to customer.<br><br>This feature will enable recording with 720p@60fps<br><br>and playback with slow speed. | 1.Yes/No | Y |
| MTK_SMARTBOOK_SUPPORT | Smartbook feature enables phone to connect with a smartbook device. A smartbook device is something like a notebook,<br>it has screen, keyboard, touchpad, speaker, dual usb port, led light, yet it doesn't have a internal storage, ram or CPU.<br>Once smartbook-feature-enabled phone is connected to a smartbook, all content on phone screen is shown on smartbook screen,<br>and user can operate the phone via smartbook's keyboard, touchpad or plugged usb mouse. | 1.Yes/No | Y |
| MTK_SMARTSWITCH_SUPPORT | enhance Gemini data connection behavior<br>[dependency_relationship]: no | 1.Yes/No | N |
| MTK_SMSREG_APP | if MTK_SMSREG_APP=yes,build SmsReg.apk<br>[dependency_relationship]: if MTK_SMSREG_APP = no, MTK_DM_APP must not be set as "yes" | 1.Yes/No | N/A |
| MTK_SMS_NATIONAL_LANGUAGE_SUPPORT | Enable National language coding<br>[dependency_relationship]: no | 2.Text | N |
| MTK_SMS_TURKISH_TABLE_ALWAYS_SUPPORT | Enable Turkish language coding<br>[dependency_relationship]: no | 2.Text | N |
| MTK_SMT_SUPPORT | use to check if need parse meta DFO value, which is only used in SMT load<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_SOTER_SUPPORT | ??????<br><br>yes - enable<br>no - disable<br><br>??FED: FED_00000285,??????API?? | 1.Yes/No | Y |
| MTK_SPEAKER_MONITOR_SUPPORT | Switch MTK speaker monitoring support | 1.Yes/No | Y |

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|---|---|---|---|
| MTK_SPECIFIC_SM_CAUSE | Feature option to contril if reporting specific SM rject cause to framework from RIL<br>[dependency_relationship]: YES | 1.Yes/No | Y |
| MTK_SPI_NAND_SUPPORT | SPI-NAND feature enable/disable<br>[dependency_relationship]: if MTK_EMMC_SUPPPORT is yes, the MTK_SPI_NAND_SUPPORT can not be defined | 1.Yes/No | Y |
| MTK_STREAMING_VIDEO_SUPPORT | This feature option is for Videos streaming content, which is MTK cooperating with third party like Letv to add 16 movies in Video Player. If Yes, means the Videos supporting 3rd party streaming video. If No, means the Videos is default.<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_SUBTITLE_SUPPORT | Gallery video display can support internal / external subtitle<br>yes: Support subtitle display<br>no: Does not support subtitle display<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_SUPPORT_MJPEG | set MTK_SUPPORT_MJPEG = yes to enable motion jpeg playback.<br>[dependency_relationship]: no | 1.Yes/No | N |
| MTK_SVLTE_SUPPORT | The option represents that telephony framework support SVLTE architecture.<br>The overall architecture is Non-Gemini java framework + LWG Modem + C2K Modem + Remote SIM access feature | 1.Yes/No | N |
| MTK_SWABF_SUPPORT | Switch to enable or disable Software Anti-Blooming Filter | 1.Yes/No | Y |
| MTK_SWCHR_SUPPORT | MTK_SWCHR_SUPPORT=yes means support MTK switching charger solution (need HW support)<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_SWIP_WMAPRO | Support tablet wma-pro playback<br>[dependency_relationship]: MTK_SWIP_WMAPRO=yes only when MTK_ASF_PLAYBACK_SUPPORT=yes | 1.Yes/No | N/A |
| MTK_SYSTEM_UPDATE_SUPPORT | MTK_SYSTEM_UPDATE_SUPPORT = yes, means the feature of supporting end users to do firmware upgrade by OTA is enabled<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_TABLET_PLATFORM | use MTK_TABLET_PLATFORM to set tablet chip name. ex. MT8735A, MT8765 etc. | 2.Text | N |
| MTK_TABLET_PLUGIN_BUILD | Control tablet plugin build or not.<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_TABLET_TS_ENHANCEMENT | on tablet,some special ts(PTS jump,multiprogram) which phone will not support,need error handle | 1.Yes/No | Y |
| MTK_TB_APP_LANDSCAPE_SUPPORT | it adds for supporting the tablet application to display UI layout in landscape mode<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_TB_WIFI_3G_MODE | 1. wifi_only : only supports WIFI, not support 2G/3G Data link,<br>2. 3gdata_only: supports WIFI & 3G data link, but not support 3G telephony & sms functions,<br>3. 3gdata_sms: supports WIFI, 3G data link, & 3G sms, but not support telephony function,<br>4. 3g_full<br>[dependency_relationship]: no | 2.Text | Y |
| MTK_TC1_FEATURE | this is feature for LGE legacy feature porting on KK | 1.Yes/No | N |
| MTK_TC9_FEATURE | for tc9sp | 1.Yes/No | N |
| MTK_TDD_DATA_ONLY_SUPPORT | this is the switch for CT 4G single data only. | 1.Yes/No | N |

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| MTK_TEE_CCCI_SECURE_SHARE_MEM_SUPPORT | This feature option is used to enhance the security of SECRO and MD NVRAM passing between AP CCCI and Modem CCCI.<br><br>It has the dependency with TEE. | 1.Yes/No | Y |
| MTK_TEE_SUPPORT | This feature option is used to indicate if secure OS is support or not<br><br>(Which secure OS to support is defined by another feature option) | 1.Yes/No | Y |
| MTK_TEE_TRUSTED_UI_SUPPORT | The Trusted User Interface (TUI) feature in <t-base allows a TEE to interact directly with the user via the common display and touch screen. <t-base temporarily protects those using TrustZone.<br>The main objective of the TUI is to protect the confidentiality and integrity of the information exchanged between a Trusted Application and the user against the NWd OS (Android) | 1.Yes/No | Y |
| MTK_TELEPHONY_BOOTUP_MODE_SLOT1 | Define the initial telephone mode of sim slot 1 for startup, and this mode could switch at specific situation after boot up.<br>0 : Cdma<br>1 : Gsm<br>2 : Wcdma<br>3 : Tdcdma | 3.Number | Y |
| MTK_TELEPHONY_BOOTUP_MODE_SLOT2 | Define the initial telephone mode of sim slot 1 for startup, and this mode could switch at specific situation after boot up.<br>0 : Cdma<br>1 : Gsm<br>2 : Wcdma<br>3 : Tdcdma | 3.Number | Y |
| MTK_TELEPHONY_CONN_LOG_CTRL_SUPPORT | The option is used to check if we enable the common log controller for telephony and connectivity framework/RIL log. | 1.Yes/No | Y |
| MTK_TELEPHONY_FEATURE_SWITCH_DYNAMICALLY | We support telephony feature option able to switch dynamically. For example, you can build a 6M project and switch to 5M via mediatek tools.<br><br>Remember!! You need to build the super scope feature set project, ex. 6M, and you can switch to lower scope feature set. You can never switch from 5M project to 6M project if you only build 5M project package.<br><br>Now, we only support the following feature set can be switched dynamically.<br>1. Radio access technology setting.<br> - CDMA2000 / FDD LTE / TDD LTE / WCDMA / TDSCDMA / GSM<br> - CDMA2000 / FDD LTE / TDD LTE / WCDMA / GSM<br> - CDMA2000 / FDD LTE / TDD LTE / GSM<br> - CDMA2000 WCDMA / GSM<br> - FDD LTE / TDD LTE / WCDMA / TDSCDMA / GSM<br> - FDD LTE / TDD LTE / WCDMA / GSM<br> - FDD LTE / TDD LTE / TDSCDMA / GSM<br> - TDD LTE / TDSCDMA / GSM<br>2. Multiple SIM setting<br> - Single SIM single standby<br> - Dual SIM dual standby | 1.Yes/No | N |

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| MTK_TELEPHONY_MODE | MTK_FLIGHT_MODE_POWER_OFF_MD is used to control if modem is powered off when entering flight mode MTK_TELEPHONY_MODE is used for specify current telephony mode MTK_FIRST_MD is used to specify the high priority modem [dependency_relationship]: yes | 3.Number | Y |
| MTK_TELSTRA_PDP_RETRY_SUPPORT | The customer has a requirement from the operator to change the Timer configuration whenever PDP context rejected by the N/W. | 1.Yes/No | Y |
| MTK_TER_SERVICE | MTK_TER_SERVICE option is for enabling the Telephony Early Read (TER) Service. Default value is no. (set in common) Specific project will turn on by its need. [dependency_relationship]: if MTK_REGIONALPHONE_SUPPORT=no, MTK_TER_SERVICE can only be no. | 1.Yes/No | N/A |
| MTK_TETHERINGIPV6_SUPPORT | support tethering over ipv6 [dependency_relationship]: No | 1.Yes/No | Y |
| MTK_TETHERING_EEM_SUPPORT | support tethering over eem in Linux or MacOS PC [dependency_relationship]: no | 1.Yes/No | N |
| MTK_THERMAL_PA_VIA_ATCMD | Internal switch for thermal management to query modem RF temperature via AT command. | 1.Yes/No | N |
| MTK_THUMBNAIL_OPTIMIZATION | For thumbnail performance enhancement. For example, codec driver would return output buffer right after decoding is done while in thumbnail mode; rather than keep it for decoding next frame in normal playback. It could reduce display time of thumbnail. | 1.Yes/No | N |
| MTK_TINYSYS_SCP_SUPPORT | Tinysys SCP support When we need to run applications in system coprocessor, we need to set it yes to build up the tinysys. e.g. sensor hub, vow, MP3, FLP | 1.Yes/No | N |
| MTK_TINY_UTIL | MTK_TINY_UTIL='yes' means enable MTK swap utility. [dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_TLC_SLC_RATIO | for setting SLC ratio on MT8163 TLC feature | 3.Number | Y |
| MTK_TLR_SUPPORT | After introducing DFO, dependency check can't be writen in make file. Need this option to distinguish the situations. [dependency_relationship]: | 1.Yes/No | N |
| MTK_TOUCH_BOOST | enable/disable perfservice when touch panel | 1.Yes/No | Y |
| MTK_TTY_SUPPORT | For TTY function enable option. [dependency_relationship]: if MTK_TTY_SUPPORT =yes, the modem side:CTM_SUPPORT must be set TRUE | 1.Yes/No | N/A |
| MTK_TVOUT_SUPPORT | To control whether enable or disable TV-out feature. If choose yes, video or image on your phone can be demonstrated on TV via TV-out cable. Also, this feature can help user to get more fun when playing some games. [dependency_relationship]: no | 2.Text | N |
| MTK_UART_USB_SWITCH | Support share USB DP/DM as UART TX/RX. [dependency_relationship]: no | 1.Yes/No | Y |
| MTK_UCE_SUPPORT | Presence feature to support RCS/ViLte/VoLte features | 1.Yes/No | Y |
| MTK_UFS_BOOTING | Support UFS booting or not. | 1.Yes/No | Y |
| MTK_UFS_OTP | Supoort One-Time-Programming (OTP) feature in UFS storage device. [dependency_relationship]: If MTK_UFS_OTP is yes, MTK_UFS_BOOTING must be yes | 1.Yes/No | Y |

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| MTK_ULTRA_DIMMING_SUPPORT | Supper dimming feature allow user to adjust backlight more darkness. ( need enable AAL_SUPPORT) | 1.Yes/No | Y |
| MTK_UMTS_TDD128_MODE | MTK_UMTS_TDD128_MODE=yes means enable UMTS TDD128 specific features<br>MTK_UMTS_TDD128_MODE=no means disable UMTS TDD128 specific features<br>[dependency_relationship]: no<br><br>This feature option is used for APP to distinguish TDD, e.g. TDD modem, TDD HW, TDD specific customization, etc.<br>TDD projects need to enable this feature option, non-TDD projects must disable this feature option.<br><br>The files used this feature option are as below (ALPS.JB2):<br>/alps/mediatek/platform/mt6572/kernel/core/mtk_ccci_helper.c<br>/alps/mediatek/platform/mt6572/kernel/drivers/dual_ccci/src/ccci_settings.c<br>/alps/mediatek/platform/mt6577/kernel/core/mt_sc.c<br>/alps/mediatek/platform/mt6589/kernel/core/mt_spm_sleep.c<br>/alps/mediatek/platform/mt6589/kernel/drivers/power/pmic_mt6320.c<br>/alps/mediatek/platform/mt6582/kernel/core/mtk_ccci_helper.c<br>/alps/mediatek/platform/mt6582/kernel/drivers/dual_ccci/src/ccci_settings.c<br>/alps/mediatek/hardware/camera/common/paramsmgr/feature/table.correction.cpp<br>/alps/mediatek/frameworks/base/telephony/java/com/mediatek/telephony/Switch3GPolicyOp.java | 1.Yes/No | Y |
| MTK_USB_AUDIO_SUPPORT | USB Audio Function Enable Flag<br>[dependency_relationship]: No | 1.Yes/No | N/A |
| MTK_USB_PHONECALL | for USB phone call feature. Currently we will only have AP side solution, but we will also have DSP solution and HW solution in the future. | 4.Select | Y |
| MTK_USER_ROOT_SWITCH | User2Root switch complie option, | 1.Yes/No | Y |
| MTK_USER_SPACE_DEBUG_FW | used for user space debug framework control, including debug 15/fdleak/mmap/ubrd etc | 1.Yes/No | N |
| MTK_USE_ANDROID_MM_DEFAULT_CODE | Use to distinguish mtk changes on android default code at media framework.<br>[dependency_relationship]: No | 1.Yes/No | N/A |
| MTK_USE_RESERVED_EXT_MEM | when system only recognizes patial space of the ram(ex. device with 512MB ram but configured as 256MB). There is system-unused ram called external memory. Debug mechanism can use external memory when allocating to eliminate system ram usage on debug.<br>[dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_USSI_SUPPORT | For switch of USSD over IMS | 1.Yes/No | N |
| MTK_UT_XCAP_SUPPORT | To support native Ut/XCAP solution | 1.Yes/No | Y |
| MTK_VIBSPK_SUPPORT | Support the vibration speaker HW.  The speaker can be used as  loud speaker, and vibrator. If want to support 3-in-1 speaker (vibrator,loudspeaker, and receiver, should also set MTK_2IN1_SPK_SUPPORT as yes)<br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_VIDEO_1080P | support video record and playback to 1080p  resolution<br>[dependency_relationship]: No | 1.Yes/No | N/A |
| MTK_VIDEO_4KH264_SUPPORT | Support SW 4K H.264 decoder | 1.Yes/No | N |
| MTK_VIDEO_HEVC_SUPPORT | This option is for HEVC playback/record feature<br>[dependency_relationship]: no | 1.Yes/No | N/A |

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| MTK_VIDEO_THUMBNAIL_PLAY_SUPPORT | yes: enable video thumbnail play in Gallery2<br>no: disable video thumbnail play in Gallery2<br>[dependency_relationship]: no | 1.Yes/No | N |
| MTK_VIDEO_VP8ENC_SUPPORT | VP8 is one kind of video codec.<br>This option is to define the support of internal VP8 encoder.<br>(VP8 encoder could be supported by Google SDK) | 1.Yes/No | N |
| MTK_VILTE_SUPPORT | Video telephony over LTE network | 1.Yes/No | Y |
| MTK_VIWIFI_SUPPORT | IMS video call over WFC | 1.Yes/No | Y |
| MTK_VOICE_CONTACT_SEARCH_SUPPORT | This option is used to turn on/off the "voice contact search" feature | 1.Yes/No | Y |
| MTK_VOICE_INTERFACE_EXTENSION_SUPPORT | This FO is for turn on/off Voice interface extension feature in MDN | 1.Yes/No | Y |
| MTK_VOICE_UI_SUPPORT | Yes can open voice UI Feature<br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_VOICE_UNLOCK_SUPPORT | Yes can open Voice  Unlcok  Feature<br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_VOICE_UNLOCK_USE_TAB_LIB | Tablet should use it's own voice unlock library.<br>This config can let tablet project choose tablet library | 1.Yes/No | N |
| MTK_VOIP_ENHANCEMENT_SUPPORT | support MTK&apos;s speech enhancement for VoIP phone call<br>&quot;no&quot; means no support<br>&quot;Yes&quot; means support<br>[dependency_relationship]: if MTK_AUDIO_HD_REC_SUPPORT=no ,<br>MTK_VOIP_ENHANCEMENT_SUPPORT can not be yes | 1.Yes/No | Y |
| MTK_VOIP_HANDSFREE_DMNR | VoIP handsfree mode DMNR support<br>"No" means not support<br>"Yes" means support<br>[dependency_relationship]: MTK_DUAL_MIC_SUPPORT=yes,<br>MTK_VOIP_ENHANCEMENT_SUPPORT=yes | 1.Yes/No | N/A |
| MTK_VOIP_NORMAL_DMNR | VoIP receiver mode DMNR support<br>"no" means no support<br>"yes" means support<br>[dependency_relationship]: MTK_DUAL_MIC_SUPPORT=yes,<br>MTK_VOIP_ENHANCEMENT_SUPPORT=yes | 1.Yes/No | N/A |
| MTK_VOLTE_SUPPORT | Can use #ifdef __MTK_VOLTE_SUPPORT__ in C files<br><br>Can use FeatureOption.MTK_VOLTE_SUPPORT in Java files | 1.Yes/No | N |
| MTK_VOW_SUPPORT | Identify if "MagiEar - VoiceWakeup" is supported. | 1.Yes/No | Y |
| MTK_VPU_SUPPORT | If yes, this project support VPU (Vision process unit).<br>Otherwise, it does not support VPU.<br><br>Original FO: MTK_CAM_VPU_SUPPORT will be phase-out due to camera is not<br>the only user of VPU | 1.Yes/No | Y |
| MTK_VR_HIGH_PERFORMANCE_SUPPORT | Android N vr_high_performance mode implementation | 1.Yes/No | Y |
| MTK_VR_SUPPORT | for VirtualReality develop/release | 1.Yes/No | Y |
| MTK_VSS_SUPPORT | Use this option to enable/disable  VSS feature.<br>[dependency_relationship]: No | 1.Yes/No | N/A |
| MTK_VT3G324M_SUPPORT | enable 3G-324M Video Telephony<br>[dependency_relationship]: if MTK_VT3G324M_SUPPORT=yes, the modem side:<br>SP_VIDEO_CALL_SUPPORT must be TRUE | 1.Yes/No | N/A |

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| MTK_VZW_CHIPTEST_MODE_SUPPORT | For US VzW operation chip certification, it defines the testing platform must be MD stand-alone without JAVA FWK/APP environment. To meet this requirement, it needs a new option to support this special power-on mode | 4.Select | N |
| MTK_WAPI_SUPPORT | if it is set to TRUE: Support WAPI (WLAN Authentication and Privacy Infrastructure) if it is set to FALSE: Does not Support WAPI (WLAN Authentication and Privacy Infrastructure) [dependency_relationship]: if MTK_WAPI_SUPPORT = yes, the MTK_WLAN_SUPPORT must be set yes | 1.Yes/No | Y |
| MTK_WAPPUSH_SUPPORT | This feature option is used for receiving Wap Push message or not. If MTK_WAPPUSH_SUPPORT=yes, the device can receive Wap Push Message sent by operator. Users can read Wap Push Message in Mms inbox. [dependency_relationship]: no | 1.Yes/No | Y |
| MTK_WB_SPEECH_SUPPORT | The option controls whether this load support WB speech parameter. Because WB speech capability is controlled by Modem now, users should enable this feature option. [dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_WEB_NOTIFICATION_SUPPORT | This is a feature option for HTML5 web notification, which provides an API to display notifications to alert users outside the context of a web page. Please refer to http://www.w3.org/TR/notifications/  MTK_WEB_NOTIFICATION_SUPPORT = &quot;yes&quot; means enable web notification feature and &quot;no&quot; disable | 1.Yes/No | Y |
| MTK_WEEK_NO | Define MTK weekly number(internal use only) [dependency_relationship]: no | 2.Text | N/A |
| MTK_WFC_SUPPORT | THIS feature option will control the wi-fi calling support in AP/AF layer. | 1.Yes/No | N |
| MTK_WFD_HDCP_RX_SVP_SUPPORT | For Miracast sink device, secure video path support under HDCP connection | 1.Yes/No | N |
| MTK_WFD_HDCP_TX_SUPPORT | Support WFD HDCP Tx 2.x [dependency_relationship]: If yes, following options should be yes:MTK_IN_HOUSE_TEE_SUPPORT & MTK_DRM_KEY_MNG_SUPPORT | 1.Yes/No | N/A |
| MTK_WFD_SINK_SUPPORT | The option is to support Wi-Fi Display Sink | 1.Yes/No | Y |
| MTK_WFD_SINK_UIBC_SUPPORT | The option is to support Wi-Fi Display Sink UIBC feature | 1.Yes/No | Y |
| MTK_WFD_SUPPORT | Wi-Fi Display Switch  [dependency_relationship]: no | 1.Yes/No | Y |
| MTK_WIFIWPSP2P_NFC_SUPPORT | 1. default value : no 2. turn on feature : yes | 1.Yes/No | N/A |
| MTK_WIFI_CALLING_RIL_SUPPORT | Provide API for SIM GBA/AKA authentication and ISIM specific EF file accessing used by Wifi calling [dependency_relationship]: no | 1.Yes/No | N/A |
| MTK_WIFI_MCC_SUPPORT | If the option is yes, WiFi Display supports Multi-Channel Concurrency with Legacy WiFi.  If the option is false, WiFi Display supports Channel Conflict UX Revise | 1.Yes/No | Y |

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| MTK_WIFI_P2P_SUPPORT | enable WIFI P2P (called wifi direct also) functionality. If turn on this feature, we provide three application based on it. They are contactsSync, FileSharing, Vedio&Audio sharing.  Via ContactsSync, users can exchange businessCard easily. Via FileSharin<br><br>[dependency_relationship]: if MTK_WIFI_P2P_SUPPROT = yes, the MTK_WLAN_SUPPORT must be set yes<br><br>the MTK_WLAN_SUPPORT must be set yes | 1.Yes/No | Y |
| MTK_WIRELESS_CHARGER_SUPPORT | yes : support wireless charger feature, it can show the wireless charging animation and charging icon when receive wireless charger plug-in.<br><br>no: not support wireless charger feature, stay with legacy feature, which cannot sense the exist of the wireles charger.<br><br>[dependency_relationship]: no | 1.Yes/No | N |
| MTK_WLANBT_SINGLEANT | configuration for WLAN and BT single antenna feature.<br>[dependency_relationship]: if MTK_WLANBT_SINGLEANT = yes, the MTK_WLAN_SUPPORT and MTK_BT_SUPPORTmust be set as yes | 1.Yes/No | N |
| MTK_WLAN_CHIP | Define the wlan chip type<br><br>[dependency_relationship]: no<br><br>the MTK_WLAN_SUPPORT must be set yes | 2.Text | Y |
| MTK_WLAN_PATH_SET | product_package.mk ?? ProjectConfig ? MTK_WLAN_PATH_SET ???????????mt6632_ant_mx.cfg file, ???Load ??build out one MT6632 ANT CONFIG file (mt6632_ant_m1.cfg file) ? system/vendor/firmware/ ?? | 4.Select | Y |
| MTK_WLAN_SUPPORT | The Wlan switch for the wlan feature in the Android(app, framework, native, kernel).<br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_WMA_PLAYBACK_SUPPORT | MTK_WMA_PLAYBACK_SUPPORT Controls WMA playback<br><br>[dependency_relationship]: no | 1.Yes/No | N |
| MTK_WML_SUPPORT | This feature option is used for displaying WML page or not. If MTK_WML_SUPPORT=yes, Browse/WebView can load and display WML web page normally.<br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_WMV_PLAYBACK_SUPPORT | MTK_WMA_PLAYBACK_SUPPORT Controls WMA playback, it is yes for SQC, when MP the build option will be set to no<br>[dependency_relationship]: no | 1.Yes/No | N |
| MTK_WORLD_PHONE | World Phone means the phone is capable of TD-SCDMA and WCDMA.<br>It will switch between TD-SCDMA and WCDMA according to following policies.<br>[dependency_relationship]: When MTK_WORLD_PHONE=yes and GEMINI=no, Single SIM World Phone that follows CMCC spec<br>When MTK_WORLD_PHONE=yes and GEMINI=yes, Dial SIM World Phone for Open Market, switch policy please check design document | 1.Yes/No | Y |

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| MTK_WPA2PSK_SUPPORT | This feature option is a flag for such situation.  If it is turned on(yes), this load will satisfy WFA&apos;s request of supplying separate WPA and WPA2 security type. Else only WPA/WPA2 PSK will be shown to user. But now, we implement this by system property<br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_WVDRM_L1_SUPPORT | support Widevine DRM Level 1<br>[dependency_relationship]: if MTK_WVDRM_L1_SUPPORT = yes then MTK_IN_HOUSE_TEE_SUPPORT/MTK_DRM_KEY_MNG_SUPPORT/MTK_SEC _VIDEO_PATH_SUPPORT must be set to yes, or TRUSTONIC_TEE_SUPPORT/MTK_DRM_KEY_MNG_SUPPORT/MTK_SEC_VID EO_PATH_SUPPORT must be set to yes | 1.Yes/No | N/A |
| MTK_WVDRM_SUPPORT | yes: to enable this WV-DRM feature no: to disable this WV-DRM feature<br>[dependency_relationship]: no | 1.Yes/No | Y |
| MTK_YAML_SCATTER_FILE_SUPPORT | This option is used to enable/disable YAML scatter format. If it&apos;s disable, the original scatter file format will be applied.<br><br>This option is supported since mt6572/JB3/GB3.<br><br>[dependency_relationship]: | 1.Yes/No | N |
| MTK_YIQI_FONTS_FRAMEWORK_SUPPORT | Controlling the font switching support in framework/System UI. | 1.Yes/No | Y |
| MULTI_CH_PLAYBACK_SUPPORT | decide audio codec output multi-ch or not<br>[dependency_relationship]: no | 1.Yes/No | Y |
| NAND_OTP_SUPPORT | To simplify NAND OTP enable procedue.yes: Enable NAND OTP function support,no: Disable NAND OTP function support<br>[dependency_relationship]: no | 1.Yes/No | Y |
| NXP_SMARTPA_SUPPORT | Driver to support NXP smartPA speaker mode, to make the sound is louder in speaker mode.<br>Option Value = no_nxp : disable this feature<br>Option Value = yes : enable  this feature<br>Option Value = tfa9887 : Enable this feature, using tfa9887<br>Option Value = tfa9890 : Enable this feature, using tfa9890 | 2.Text | Y |
| OP01_COMPATIBLE | 1.OP01_COMPATIBLE  = yes<br><br>when CMCC project need execute CTS test, we need define this option as yes to pass CTS testcase.<br><br>2.OP01_COMPATIBLE = no<br><br>When CMCC project need execute CMCC labtest, we need define this option as no to pass CMCC testcase.<br><br>[dependency_relationship]: no | 1.Yes/No | Y |

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| OPTR_SPEC_SEG_DEF | It&apos;s used to define which operator you will support. If it&apos;s not operator load, the value is NONE(default value). The values may be: OP01_SPEC0200_SEGC(for CMCC), OP02_SPEC0200_SEGA(for CU, SpecPM Shiqi Fu), OP03_SPEC0107_SEGDEFAULT(for Orange GB3, SpecPM Xiujuan Tan), OP03_SPEC0200_SEGDEFAULT(for orange other branch, SpecPM Xiujuan Tan), OP06_SPEC0106_SEGDEFAULT(for Vodafone, SpecPM Tingting Chen), OP07_SPEC0407_SEGDEFA<br><br>ULT(for AT&T, SpecPM Lin Gui), OP08_SPEC0200_SEGDEFAULT(for TMO US, SpecPM Huan Tan), OP09_SPEC0212_SEGC(for CT (Lab C), SpecPM Meija Li), OP09_SPEC0212_SEGDEFAULT(for CT (Lab A), SpecPM Meija Li), OP10_SPEC0200_SEGDEFAULT(for Tier2, SpecPM Grace Chen)[dependency_relationship]: depend on which operator,<br><br>OP11_SPEC0200_SEGDEFAULT(for Box OTT CMCC test) | 2.Text | Y |
| PRODUCT_LOCALES | It controls the language set a build. This is a Google default feature option, on ABS it s replaced by MTK_PRODUCT_LOCALES (FeatureOption:35559781) | 2.Text | Y |
| PURE_AP_USE_EXTERNAL_MODEM | AP only chip use external modem [dependency_relationship]: no<br><br>Note : The related feature (MT6280 external modem COB support) has been phased out | 1.Yes/No | N/A |
| SENSOR_BATCH_SUPPORT | Used to support batch()/flush() interface. | 1.Yes/No | Y |
| SIM_ME_LOCK_MODE | This feature option use to control which kind of SIM ME lock feature is enabled. 1. 0: MTK original SIM ME lock feature. 2. 1: Remote SIM lock feature for operator(op08). | 4.Select | N |
| SIM_REFRESH_RESET_BY_MODEM | When the option is on, SIM refresh - reset command will be handled by modem side. Otherwise, AP have to call modme reset. [dependency_relationship]: no | 1.Yes/No | N/A |
| TARGET_COPY_OUT_ODM | ODM partition for customization | 2.Text | Y |
| TELEPHONY_DFOSET | TELEPHONY_DFOSET decribe this DFO set enable or disable. [dependency_relationship]: no | 1.Yes/No | N/A |
| TELEPHONY_DFOSET_VALUE | TELEPHONY_DFOSET_VALUE describe what features in this DFO feature set. MTK_DT_SUPPORT MTK_TELEPHONY_MODE MTK_SHARE_MODEM_SUPPORT MTK_SHARE_MODEM_CURRENT MTK_ENABLE_MD1 MTK_ENABLE_MD2 MTK_FIRST_MD [dependency_relationship]: no | 2.Text | N/A |
| TRUSTONIC_TEE_SUPPORT | Trustonic TEE support or not | 1.Yes/No | Y |
| USB_AUDIO_SUPPORT | Please add a new option USB_AUDIO_SUPPORT=no for MT8127 Tablet and Box Branch : //ALPS_SW/MP/KK1.MP10/ | 1.Yes/No | Y |
| USE_FRAUNHOFER_AAC | FRAUNHOFER FDK AAC Codec switch | 1.Yes/No | N/A |
| USE_XML_AUDIO_POLICY_CONF | Android N0 definition for using new audio policy config files. If it is set to 1, using new audio policy config files, XML If it is set to 0, using legacy audio policy config files, audio_policy.conf | 3.Number | Y |

| WIFI_WEP_KEY_ID_SET | WIFI_WEP_KEY_ID_SET:<br>yes, show WEP key  id set item<br>no, hide WEP key  id set item<br>[dependency_relationship]: No | 1.Yes/No | Y |