GENERAL

制造商	sprd
型号	ums512_1h10_Natv
品牌	SPRD
分辨率	720x1280
平台	ums512_1h10
Android	10 (fake 12)
API	29
内核	4.14.133 #317 SMP PREEMPT Wed Sep 6 18:15:11 CST 2023
触摸屏	goodix_ts (i2c 3-0014)
充电器	USE PMIC
PMIC	fan53555-regulator (i2c 5-0060)
其他	cpudvfs_dcdc_cpu1_i2c_drv (i2c 5-0062) icn6202_i2c (i2c 2-002d) ph_sensor_i2c (i2c 1-0044) sensor_main (i2c 0-0020) sensor_main2 (i2c 1-0020) sensor_main3 (i2c 1-006c) sensor_sub (i2c 0-005a) sensor_sub2 (i2c 1-006e) tw_sensor_i2c (i2c 0-0044)
Wi-Fi	sdiohal
声卡	sprdphonesc2730
内存	8 GB
闪存	ISOCOM
闪存大小	128 GB

SOC

CPU	UIS7862A
供应商	Unisoc
核心数	8
big.LITTLE	2 clusters
集群	2 x 2.00 GHz 6 x 2.00 GHz
架构	Cortex-A75 Cortex-A55
型号	64-bit
Machine	aarch64
ABI	arm64-v8a

说明	fp asimd evtstrm aes pmull sha1 sha2 crc32 atomics fphp asimdhp cpuid asimdrdm lrcpc dcpop asimddp
修订版本	r3p1 r1p0
时钟频率	614 - 2002 MHz
调频器	schedutil
GPU	Mali-G52 MC2
供应商	ARM
OpenGL ES	3.2 v1.r21p0-01rel0.9068cba0431d00ef2fe56763b32bda05
Vulkan	1.1

SYSTEM

制造商	sprd
型号	ums512_1h10_Natv
品牌	SPRD
Android	10 (fake 12)
API	29
开发代号	Q
密度	160 (mdpi)
刷新率	59.0 Hz
设备	ums512_1h10
产品	ums512_1h10_Natv
主板	ums512_1h10
版本号	QP1A.190711.020
Java VM	ART 2.1.0
安全补丁级别	22.10.2022
基带	FM_BASE_19C_W20.52.2_P18|sharkl5pro_modem|02-20-2023 11:29:23
GPS	Google Mock GNSS Implementation v1.1 / 2018
Bluetooth	5.x
构建类型	user
Tags	release-keys
增量版本	36516
指纹	SPRD/ums512_1h10_Natv/ums512_1h10:10/QP1A.190711.020/36516:user/release-keys
构建日期	08.09.2023
构建者	xcy@android-build
Google Play Services	23.48.16 (100400-590025996)

SELinux	Permissive
语言	中文 (繁體中文,台灣)
时区	台北標準時間 (GMT+08:00)
正常运行时间	0 days 00:20

CAMERA

支持	lt6911c tp2850 tp2854
软件	
相机	0 - BACK
分辨率	8.3 MP (3840x2160)
光圈	f/1.8 f/2.0 f/2.2 f/2.4 f/2.6 f/2.8 f/3.0
焦距	3.75 mm
Focal length (equivalent 35 mm)	37.1 mm
对焦模式	infinity, fixed
传感器尺寸	3.5x2.63
Diagonal	4.38 mm
像素大小	~1.05 µm
Optical format	~1/3.45" (1/3.88")
Zoom	4.0x
图像格式	JPEG, YUV_420_888
视角	60.5° (D) 50.0° (H)
Crop factor	9.9x
ISO	100-3200
彩色滤光片	RGGB
方向	90
闪光灯	否
相机	1 - BACK
分辨率	8.3 MP (3840x2160)
光圈	f/1.8 f/2.0 f/2.2 f/2.4 f/2.6 f/2.8 f/3.0
焦距	3.75 mm
Focal length (equivalent 35 mm)	37.1 mm
对焦模式	infinity, fixed
传感器尺寸	3.5x2.63
Diagonal	4.38 mm

像素大小	~1.05 μm
Optical format	~1/3.45" (1/3.88")
Zoom	4.0x
图像格式	JPEG, YUV_420_888
视角	60.5° (D) 50.0° (H)
Crop factor	9.9x
ISO	100-3200
彩色滤光片	RGGB
方向	90
闪光灯	否
相机	2 - BACK
分辨率	8.3 MP (3840x2160)
光圈	f/1.8 f/2.0 f/2.2 f/2.4 f/2.6 f/2.8 f/3.0
焦距	3.75 mm
Focal length (equivalent 35 mm)	37.1 mm
对焦模式	infinity, fixed
传感器尺寸	3.5x2.63
Diagonal	4.38 mm
像素大小	~1.05 μm
Optical format	~1/3.45" (1/3.88")
Zoom	4.0x
图像格式	JPEG, YUV_420_888
视角	60.5° (D) 50.0° (H)
Crop factor	9.9x
ISO	100-3200
彩色滤光片	RGGB
方向	0
闪光灯	否
Camera2 API	limited

BATTERY

电量	100 %
健康情况	Good
状态	Full

电源	AC
温度	1.1 °C
电压	5 mV
电源配置文件	3600 mAh

THERMAL

soc-thmzone	47.6 °C
prometheus6-tzone0	44.8 °C
prometheus6-tzone1	46.6 °C
prometheus7-thmzone	46.8 °C
ank0-thmzone	47.6 °C
ank1-thmzone	47.6 °C
gpu-thmzone	46.9 °C
ank2-thmzone	46.0 °C
ank3-thmzone	46.1 °C
ank4-thmzone	46.1 °C
ank5-thmzone	45.8 °C
cputop-thmzone	47.1 °C
gpuank2-thmzone	48.8 °C
cluster0-thmzone	52.9 °C
cluster1-thmzone	53.4 °C
board-thmzone	48.0 °C
sc27xx-fgu	65.0 °C

PARTITIONS

Name	Start address Partition size
prodnv mmcblk0p1	0x0000100000 0x0000a00000
miscdata mmcblk0p2	0x0000b00000 0x0000100000
recovery mmcblk0p3	0x0000c00000 0x0002800000
misc mmcblk0p4	0x0003400000 0x0000100000
trustos mmcblk0p5	0x0003500000 0x0000600000
trustos_bak	0x0003b00000

mmcblk0p6	0x0000600000
sml mmcblk0p7	0x0004100000 0x0000100000
sml_bak mmcblk0p8	0x0004200000 0x0000100000
uboot mmcblk0p9	0x0004300000 0x0000100000
uboot_bak mmcblk0p10	0x0004400000 0x0000100000
uboot_log mmcblk0p11	0x0004500000 0x0000400000
logo mmcblk0p12	0x0004900000 0x0000800000
fbootlogo mmcblk0p13	0x0005100000 0x0000800000
l_fixnv1 mmcblk0p14	0x0005900000 0x0000200000
l_fixnv2 mmcblk0p15	0x0005b00000 0x0000200000
l_runtimenv1 mmcblk0p16	0x0005d00000 0x0000200000
l_runtimenv2 mmcblk0p17	0x0005f00000 0x0000200000
gnssmodem mmcblk0p18	0x0006100000 0x0000100000
wcnmodem mmcblk0p19	0x0006200000 0x0000a00000
persist mmcblk0p20	0x0006c00000 0x0000200000
l_modem mmcblk0p21	0x0006e00000 0x0001900000
l_deltanv mmcblk0p22	0x0008700000 0x0000100000
l_gdsp mmcblk0p23	0x0008800000 0x0000a00000
l_ldsp mmcblk0p24	0x0009200000 0x0001400000
l_agdsp mmcblk0p25	0x000a600000 0x0000600000
l_cdsp mmcblk0p26	0x000ac00000 0x0000100000
pm_sys mmcblk0p27	0x000ad00000 0x0000100000
teecfg mmcblk0p28	0x000ae00000 0x0000100000

teecfg_bak mmcblk0p29	0x000af00000 0x0000100000
boot mmcblk0p30	0x000b000000 0x0002300000
dtbo mmcblk0p31	0x000d300000 0x0000800000
super mmcblk0p32	0x000db00000 0x00c8000000
cache mmcblk0p33	0x00d5b00000 0x0009600000
socko mmcblk0p34	0x00df100000 0x0004b00000
odmko mmcblk0p35	0x00e3c00000 0x0001900000
vbmeta mmcblk0p36	0x00e5500000 0x0000100000
vbmeta_bak mmcblk0p37	0x00e5600000 0x0000100000
metadata mmcblk0p38	0x00e5700000 0x0001000000
sysdumpdb mmcblk0p39	0x00e6700000 0x0000a00000
vbmeta_system mmcblk0p40	0x00e7100000 0x0000100000
vbmeta_vendor mmcblk0p41	0x00e7200000 0x0000100000
private mmcblk0p42	0x00e7300000 0x0004000000
sys_config mmcblk0p43	0x00eb300000 0x0000a00000
twdataconfig mmcblk0p44	0x00ebd00000 0x000c800000
twapp mmcblk0p45	0x00f8500000 0x0019000000
userdata mmcblk0p46	0x0111500000 0x1c0d6fbe00

PLATFORM_DRIVERS

agdsp_access alarmtimer apsys-dvfs armv8-pmu audio_mem audio_sipc camsys-power cluster0-thermal cluster1-thermal cpp-dvfs dcam_axi-dvfs dcam_if-dvfs dpu-dvfs extcon-usb-gpio fd-dvfs generic-adc-thermal gnss_common_ctl gpio-keys ion isp-dvfs jpg-dvfs mali marlin mcdt_sprd mmsys-dvfs mtty mtx-dvfs musb-hdrc musb-sprd ramoops reg-dummy sc2355 sc27xx-7sreset sc27xx-adc sc27xx-efuse sc27xx-fgu sc27xx-poweroff sc27xx-regulator sc27xx-tsensor sc27xx-typec sc27xx-vibrator sched-energy seth sharkl5-topdvfs-drv sharkl5pro-clk sipc sipx snd-soc-dummy soc-thermal spipe spool sprd-adi sprd-audio-power sprd-backlight sprd-bltc sprd-cache-efuse sprd-codec-sc2730 sprd-compr-platform sprd-dma sprd-dmc sprd-dphy-drv sprd-dpu-drv sprd-drm-drv sprd-dsi-drv sprd-dummy-playback sprd-eic sprd-fm sprd-gpio sprd-gsp sprd-hardware-cpufreq sprd-hsphy sprd-i2c

sprd-i2c-r9p0 sprd-jpg sprd-pcm-audio sprd-pcm-routing sprd-pinctrl sprd-pmic-eic sprd-pmic-glb sprd-powerdebug sprd-pwm sprd-rtc sprd-sdhcr11 sprd-serial-ex sprd-spi sprd-thermal sprd-wdt sprd_audcp_boot sprd_audcp_dvfs sprd_audio_dsp_dump sprd_audio_pipe sprd_cp_dvfs sprd_cpp sprd_cproc sprd_cpudvfs sprd_dfs_auto sprd_fd sprd_flash sprd_hwspinlock sprd_image sprd_iommu_drv sprd_serial sprd_vsp trusty trusty-irq trusty-virtio vbc-dai-fe vbc-rxpx-codec-sc27xx vbc-v4 vdsp vdsp-dvfs vsp-dvfs

PMIC

vdd28	2.800 V
avdd12	1.200 V
avdd18	1.775 V
vddcpu	1.050 V
vddgpu	0.800 V
vddmem	1.100 V
vddvib	1.800 V
vddwcn	1.200 V
vddcore	0.800 V
vddgen0	1.876 V
vddgen1	1.350 V
vddldo0	3.300 V
vddldo1	3.300 V
vddldo2	3.300 V
vddmemq	0.600 V
vddrf18	1.775 V
vddsram	0.900 V
fan53555	1.113 V
vddcamio	1.200 V
vddmodem	0.700 V
vddusb33	3.300 V
vddcammot	3.300 V
vddrf1v25	1.245 V
vddwifipa	3.300 V
vdd18_dcxo	1.800 V
vddemmccore	3.000 V

NET

Connection	
IPv4	192.168.100.99
IPv6	0000::0000:0000:0000:0000

连接速度	390 Mbps
MAC	00:00:00:00:00:00
频率	5180 MHz
信道	36
信号	-50 dBm
级别	99 %
Wi-Fi	
5 GHz 频段	+
Wi-Fi Direct	+
WPA3	+

INPUT

sc27xx:vibrator
bus: 0000 vendor: 0000 product: 0000 ver: 0000
sysfs: /devices/platform/soc/soc:aon/32100000.spi/spi_master/spi4/spi4.0/sc27xx-vibrator
/input/input0
handlers: event0

goodix_ts
bus: 0000 vendor: 0000 product: 0000 ver: 0000
sysfs: /devices/virtual/input/input1
handlers: event1 sysdump

gpio-keys
bus: 0019 vendor: 0001 product: 0001 ver: 0100
phys: gpio-keys/input0
sysfs: /devices/platform/gpio-keys/input/input4
handlers: event2 sysdump

sprdphone-sc2730 Headset Jack
bus: 0000 vendor: 0000 product: 0000 ver: 0000
phys: ALSA
sysfs: /devices/platform/sound@0/sound/card0
/input5
handlers: event3

sprdphone-sc2730 Headset Keyboard
bus: 0000 vendor: 0000 product: 0000 ver: 0000
phys: ALSA
sysfs: /devices/platform/sound@0/sound/card0
/input6
handlers: event4 sysdump

CODECS

OMX.sprd.mp3l1.decoder	audio/mpeg-L1
OMX.sprd.mp3l2.decoder	audio/mpeg-L2
OMX.sprd.mp3.decoder	audio/mpeg
c2.android.aac.decoder	audio/mp4a-latm

OMX.google.aac.decoder	audio/mp4a-latm
c2.android.amrnb.decoder	audio/3gpp
OMX.google.amrnb.decoder	audio/3gpp
c2.android.amrwb.decoder	audio/amr-wb
OMX.google.amrwb.decoder	audio/amr-wb
c2.android.flac.decoder	audio/flac
OMX.google.flac.decoder	audio/flac
c2.android.g711.alaw.decoder	audio/g711-alaw
OMX.google.g711.alaw.decoder	audio/g711-alaw
c2.android.g711.mlaw.decoder	audio/g711-mlaw
OMX.google.g711.mlaw.decoder	audio/g711-mlaw
c2.android.mp3.decoder	audio/mpeg
OMX.google.mp3.decoder	audio/mpeg
c2.android.opus.decoder	audio/opus
OMX.google.opus.decoder	audio/opus
c2.android.raw.decoder	audio/raw
OMX.google.raw.decoder	audio/raw
c2.android.vorbis.decoder	audio/vorbis
OMX.google.vorbis.decoder	audio/vorbis
OMX.google.gsm.decoder	audio/gsm
OMX.sprd.h264.decoder	video/avc
OMX.sprd.h263.decoder	video/3gpp
OMX.sprd.hevc.decoder	video/hevc
OMX.sprd.mpeg4.decoder	video/mp4v-es
OMX.sprd.vpx.decoder	video/x-vnd.on2.vp8
OMX.sprd.vp9.decoder	video/x-vnd.on2.vp9
c2.android.av1.decoder	video/av01
c2.android.avc.decoder	video/avc
OMX.google.h264.decoder	video/avc
c2.android.h263.decoder	video/3gpp
OMX.google.h263.decoder	video/3gpp
c2.android.hevc.decoder	video/hevc
OMX.google.hevc.decoder	video/hevc
c2.android.mpeg4.decoder	video/mp4v-es
OMX.google.mpeg4.decoder	video/mp4v-es
c2.android.vp8.decoder	video/x-vnd.on2.vp8

OMX.google.vp8.decoder	video/x-vnd.on2.vp8
c2.android.vp9.decoder	video/x-vnd.on2.vp9
OMX.google.vp9.decoder	video/x-vnd.on2.vp9
c2.android.aac.encoder	audio/mp4a-latm
OMX.google.aac.encoder	audio/mp4a-latm
c2.android.amrnb.encoder	audio/3gpp
OMX.google.amrnb.encoder	audio/3gpp
c2.android.amrwb.encoder	audio/amr-wb
OMX.google.amrwb.encoder	audio/amr-wb
c2.android.flac.encoder	audio/flac
OMX.google.flac.encoder	audio/flac
c2.android.opus.encoder	audio/opus
OMX.sprd.mp3.encoder	audio/mpeg
OMX.sprd.h264.encoder	video/avc
OMX.sprd.h265.encoder	video/hevc
c2.android.avc.encoder	video/avc
OMX.google.h264.encoder	video/avc
c2.android.h263.encoder	video/3gpp
OMX.google.h263.encoder	video/3gpp
c2.android.hevc.encoder	video/hevc
c2.android.mpeg4.encoder	video/mp4v-es
OMX.google.mpeg4.encoder	video/mp4v-es
c2.android.vp8.encoder	video/x-vnd.on2.vp8
OMX.google.vp8.encoder	video/x-vnd.on2.vp8
c2.android.vp9.encoder	video/x-vnd.on2.vp9
OMX.google.vp9.encoder	video/x-vnd.on2.vp9

GL EXTENSIONS

GL_EXT_debug_marker
GL_ARM_rgba8
GL_ARM_mali_shader_binary
GL_OES_depth24
GL_OES_depth_texture
GL_OES_depth_texture_cube_map
GL_OES_packed_depth_stencil
GL_OES_rgb8_rgba8

GL_EXT_read_format_bgra
GL_OES_compressed_paletted_texture
GL_OES_compressed_ETC1_RGB8_texture
GL_OES_standard_derivatives
GL_OES_EGL_image
GL_OES_EGL_image_external
GL_OES_EGL_image_external_essl3
GL_OES_EGL_sync
GL_OES_texture_npot
GL_OES_vertex_half_float
GL_OES_required_internalformat
GL_OES_vertex_array_object
GL_OES_mapbuffer
GL_EXT_texture_format_BGRA8888
GL_EXT_texture_rg
GL_EXT_texture_type_2_10_10_10_REV
GL_OES_fbo_render_mipmap
GL_OES_element_index_uint
GL_EXT_shadow_samplers
GL_OES_texture_compression_astc
GL_KHR_texture_compression_astc_ldr
GL_KHR_texture_compression_astc_hdr
GL_KHR_texture_compression_astc_sliced_3d
GL_EXT_texture_compression_astc_decode_mode
GL_EXT_texture_compression_astc_decode_mode_rgb9e5
GL_KHR_debug
GL_EXT_occlusion_query_boolean
GL_EXT_disjoint_timer_query
GL_EXT_blend_minmax
GL_EXT_discard_framebuffer
GL_OES_get_program_binary
GL_OES_texture_3D
GL_EXT_texture_storage
GL_EXT_multisampled_render_to_texture
GL_EXT_multisampled_render_to_texture2
GL_OES_surfaceless_context

GL_OES_texture_stencil8
GL_EXT_shader_pixel_local_storage
GL_ARM_shader_framebuffer_fetch
GL_ARM_shader_framebuffer_fetch_depth_stencil
GL_ARM_mali_program_binary
GL_EXT_sRGB
GL_EXT_sRGB_write_control
GL_EXT_texture_sRGB_decode
GL_EXT_texture_sRGB_R8
GL_EXT_texture_sRGB_RG8
GL_KHR_blend_equation_advanced
GL_KHR_blend_equation_advanced_coherent
GL_OES_texture_storage_multisample_2d_array
GL_OES_shader_image_atomic
GL_EXT_robustness
GL_EXT_draw_buffers_indexed
GL_OES_draw_buffers_indexed
GL_EXT_texture_border_clamp
GL_OES_texture_border_clamp
GL_EXT_texture_cube_map_array
GL_OES_texture_cube_map_array
GL_OES_sample_variables
GL_OES_sample_shading
GL_OES_shader_multisample_interpolation
GL_EXT_shader_io_blocks
GL_OES_shader_io_blocks
GL_EXT_tessellation_shader
GL_OES_tessellation_shader
GL_EXT_primitive_bounding_box
GL_OES_primitive_bounding_box
GL_EXT_geometry_shader
GL_OES_geometry_shader
GL_ANDROID_extension_pack_es31a
GL_EXT_gpu_shader5
GL_OES_gpu_shader5
GL_EXT_texture_buffer

GL_OES_texture_buffer
GL_EXT_copy_image
GL_OES_copy_image
GL_EXT_shader_non_constant_global_initializers
GL_EXT_color_buffer_half_float
GL_EXT_color_buffer_float
GL_EXT_YUV_target
GL_OVR_multiview
GL_OVR_multiview2
GL_OVR_multiview_multisampled_render_to_texture
GL_KHR_robustness
GL_KHR_robust_buffer_access_behavior
GL_EXT_draw_elements_base_vertex
GL_OES_draw_elements_base_vertex
GL_EXT_protected_textures
GL_EXT_buffer_storage
GL_EXT_external_buffer
GL_EXT_EGL_image_array
GL_EXT_texture_filter_anisotropic

DEVICE FEATURES

android.hardware.audio.output
android.hardware.biometrics.face
android.hardware.bluetooth
android.hardware.bluetooth_le
android.hardware.broadcastradio
android.hardware.camera
android.hardware.camera.any
android.hardware.camera.front
android.hardware.faketouch
android.hardware.location
android.hardware.location.gps
android.hardware.location.network
android.hardware.microphone
android.hardware.opengles.aep
android.hardware.ram.normal

android.hardware.screen.landscape
android.hardware.screen.portrait
android.hardware.sensor.accelerometer
android.hardware.sensor.compass
android.hardware.sensor.gyroscope
android.hardware.sensor.light
android.hardware.sensor.proximity
android.hardware.sensor.stepcounter
android.hardware.sensor.stepdetector
android.hardware.telephony
android.hardware.telephony.cdma
android.hardware.telephony.gsm
android.hardware.telephony.ims
android.hardware.touchscreen
android.hardware.touchscreen.multitouch
android.hardware.touchscreen.multitouch.distinct
android.hardware.usb.accessory
android.hardware.usb.host
android.hardware.vulkan.compute
android.hardware.vulkan.level
android.hardware.vulkan.version
android.hardware.wifi
android.hardware.wifi.direct
android.hardware.wifi.passpoint
android.software.activities_on_secondary_displays
android.software.app_widgets
android.software.autofill
android.software.backup
android.software.cant_save_state
android.software.companion_device_setup
android.software.connectionservice
android.software.cts
android.software.device_admin
android.software.home_screen
android.software.input_methods
android.software.ipsec_tunnels

android.software.managed_users
android.software.midi
android.software.picture_in_picture
android.software.print
android.software.secure_lock_screen
android.software.verified_boot
android.software.voice_recognizers
android.software.webview
com.google.android.feature.WELLBEING

DEVICES

I2C:

i2c-0:
0x20 sensor_main 0x44 tw_sensor_i2c 0x5a sensor_sub
i2c-1:
0x20 sensor_main2 0x44 ph_sensor_i2c 0x6c sensor_main3 0x6e sensor_sub2
i2c-2:
0x2d icn6202_i2c
i2c-3:
0x14 goodix_ts
i2c-5:
0x60 fan53555-regulator 0x62 cpudvfs_dcdc_cpu1_i2c_drv

SPI:

sc27xx-pmic (spi4.0)

DEV:

extint10
goodix_ts
sdiohal
pub_int_isr