qmp6988 android_Pie AP 端移植指南

1，KERNEL 层

(1) 编译开关

k71v1_64_bsp_pre_defconfig 中关闭 CONFIG_MTK_BAROHUB，加入编译选项 CONFIG_MTK_QMP6988=y

(2) 在路径/alps/kernel-4.4/drivers/misc/mediatek/sensors-1.0/barometer 中加入 qmp6988 驱动，并修改 Kconfig，Makefile，如下图：

```
# In case the platform does NOT support this type of sensors
ccflags-y += -I$(srctree)/drivers/misc/mediatek/sensors-1.0/hwmon/include

obj-y    += barometer.o barometer_factory.o

obj-$(CONFIG_MTK_BAROHUB)       += barohub/
ifneq ($(CONFIG_MTK_BAROHUB),y)
obj-$(CONFIG_MTK_BMP280_NEW) += BMP280-new/
obj-$(CONFIG_MTK_QMP6988) += qmp6988/
endif
```

```
config CUSTOM_KERNEL_BAROMETER
    bool "CUSTOM KERNEL BAROMETER Config"
    help
      To detect barometer raw data

source "drivers/misc/mediatek/sensors-1.0/barometer/barohub/Kconfig"
source "drivers/misc/mediatek/sensors-1.0/barometer/BMP280-new/Kconfig"
source "drivers/misc/mediatek/sensors-1.0/barometer/qmp6988/Kconfig"
```

(3) 在 barometer.h 中打开宏 QMP6988_GET_DATA_2，查找移植包中有这个宏的驱动文件并对比合入

2，HAL 层

(1) HAL 层位置为
/alps/vendor/mediatek/proprietary/hardware/sensor/sensors-1.0
加入文件 qmp6988_algo.cpp qmp6988_algo.h

(2) Android.mk 中添加编译文件

```
        Magnetic.cpp \
        Gyroscope.cpp \
        AmbienteLight.cpp \
        Proximity.cpp \
        Pressure.cpp \
        qmp6988_algo.cpp \
        StepCounter.cpp \
        Activity.cpp \
        Pedometer.cpp \
        Humidity.cpp \
        Situation.cpp \
```

(3) 对比修改 Pressure.cpp

(4) make –j24 然后全部下载。