



MeiG Smart SLM758 Module

Multi-Mode LTE Smart Module

MeiG Smart SLM758 smart module, based on Qualcomm platform of Snapdragon600 series of MSM8953 (optional with Snapdragon400 series of SDM450), the CPU uses the advanced 14nm FinFET process for lower active power dissipation and faster peak CPU performance. It includes a 64-bit RAM Cortex A-53 octa-core application processor, 16GB/32GB memory with built-in Android 9.0 OS.

SLM758 supports multi-modes of cellular connectivity which includes LTE-TDD/LTE-FDD/WCDMA/TD-SCDMA/CDMA/GSM, the module also combines high-speed wireless connectivity with embedded multi-constellation and high-sensitivity GNSS (GPS, GLONASS and BeiDou) receiver for positioning.

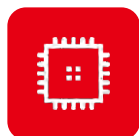
SLM758 also provides voice, SMS, address book, Wi-Fi, BT. It supports the 13M 3D camera or the depth of field camera, which can be widely used in VR Camera, intelligent robot, video surveillance, security, automotive equipment, intelligent platform handheld terminals and other products.

Main Advantage:

- Support 2.4G & 5G WiFi, support 11ac & 5G FEM
- Support Cat.4 FDD&TDD, MAX DL 150Mbps
- Support dual screen display and dual touch, Matrix:FHD: 1920*1200@60fps,
- Support Dual ISP 24 MP30 ZSL, Dual ISP 13M sensor at the same time
- Support 1080P 60fps Decode and 1080P 30fps Encode



Qualcomm
8*cortex-A53



Adreno™
GPU A506



Android 7/9/10



Cat.4 FDD
DL:150Mbps
UL:50Mbps



2.4G+5G WiFi



LGA+LCC

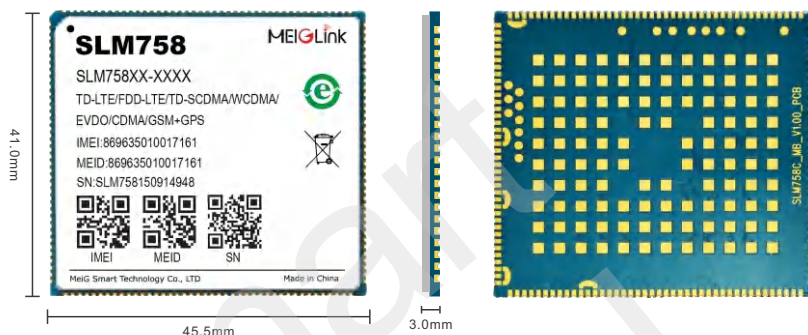
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General features:

- OS: Android 9.0
- Storage: 16GB eMMC + 2GB LPDDR3
- Operating Temp: -25°C ~ +75°C
- Size: 41.0x45.5x3.0mm
- Package: LCC+LGA 272PIN
- Weight: 12g
- Certification: CCC/CTA/CE/GCF/FCC/PTCRB/BQB



Outstanding features:

- WLAN: IEEE 802.11a/b/g/n/ac 2.4G&5G
- BT: BT2.1+EDR/3.0/4.2
- GNSS: GPS/GLONASS/BeiDou
- Quick Charge 3.0
- Support dual screen display and dual touch
- USB OTG

Interface:

- LCM: 1920x1200+1080p30 Miracast or HDMI over DSI bridge 2x4-lane DSI
- Camera: Dual ISP 24 MP/30 ZSL 930 MP/sec, hardware WNR, LTM, Advanced AF CSI (4/4/4 lane or 4/4/2/1 lane), DPHY1.2/CPHY1.0
- Analog Audio: Speaker, Receiver, Ear phone, Mic*3
- USB: USB 2.0/3.0 Support QC3.0, USB OTG, Type-C interface
- I2C: x6
- (U)SIM: x2 (1.8V/2.95V)
- UART: x4
- SD Card: x1 (Support SD 3.0, 4-bit SDIO)
- PWRKEY: 1.8V, Internal pull-up
- SPI: x2
- ADC: x3
- GPIO: x50
- Motor drive: x1
- Antenna: LTE, DIV, GNSS, 2.4G Wi-Fi & BT, 5G Wi-Fi

Audio & Video:

- Fluence/Fluence Pro V6/V7, HD-Audio
- Integrated codec
- Decode: 1080P 60 (HEVC/H.264/VP8/VP9) or 4K @30 fps
- Encode: 1080P 60 (HEVC/H.264/VP8); software VP9
- Concurrency: 1080P 60 decode + 1080p30 encode

Band(MHz):

China

SLM758NC

LTE-FDD: B1/3/5/8
LTE-TDD: B38/39/40/41
TD-SCDMA: B34/39
WCDMA: B1/5/8
EVDO: BC0
CDMA: BC0
GSM: B5/3/8

Europe

SLM758NE

LTE-FDD: B1/3/5/7/8/20
LTE-TDD: B38/40/41
WCDMA: B1/B5/B8
GSM: B5/3/8

America

SLM758NA

LTE-FDD: B2/4/5/7/12/13/17/28
WCDMA: B2/4/5

Japan

SLM758NJ

LTE-FDD: B1/3/8/9/19/26
WCDMA: B1/8/9/19

