



MeiG Smart SRM900 Module

Multi-Mode 5G/LTE Smart Module
Support 11ax ready Wi-Fi

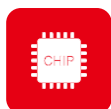
MeiG Smart SRM900-a latest broadband intelligent wireless communication module from MeiG, using Qualcomm Snapdragon SDM690 (SM6350) chipset with 8nm FinFET manufacturing process, built-in 64Bit ARM V8 kernel, Kyro CPU560 (2* A77 2.0GHz & 6* A55 1.7GHz), Adreno GPU 619, V66A 1.2GHz+Dual HVX and on-board memory of 64GB+4GB (or 128GB+6GB). It can carry higher AI computing power algorithm, support decode/encode up to 4K 30fps and H.265, running Android 11(R) operating system, supports 5G NR sub-6GHz, SA&NSA, DL 4x4 MIMO, UL 1x1 MIMO, integrated L1+L5 dual band GPS/Glonass/Beidou, 2x2 MIMO and ax ready Wi-Fi.

SRM900 integrates rich functional interfaces, including LCM, CSI MIPI, Camera, Microphone, Speaker, UART, USB,

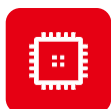
I2C, SPI, etc. It is applicable for wide range of M2M applications such as 5G network video recorder, smart POS, logistics terminal, VR camera, intelligent robot, video surveillance, security surveillance, vehicle-mounted equipment, intelligent information acquisition equipment, intelligent handheld terminal, uav and other products.

Main Advantage:

- Support 5G NR sub-6GHz, DL 4x4 MIMO SA/NSA mode and UL 1x1 MIMO SA mode
- Support 2x2 MU MIMO WIFI, 11ax ready
- Support V66A 16/16/512KB 1.2GHz+Dual HVX
- Support dual screen display and dual touch, 2520*1080 resolution@60fps+QHD60 via Display-Port
- Support 3*ISP, 1*ISP-lite, 16+16+16MP ZSL, MCTF
- Integrated GNSS (GPS L1+L5 dual band)
- Support 4K @30fps decode and encode



Qualcomm
octa-core Kryo360



Adreno™
GPU 619



Android 11.0



DL 4x4 MIMO
UL 2x2 MIMO



5G sub-6GHz
SA/NSA



2x2 MIMO
ax ready



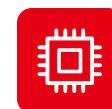
L1+L5 GPS



V66A 1.2GHz
+2x HVX



LGA
Packaging



2* A77 +6* A55

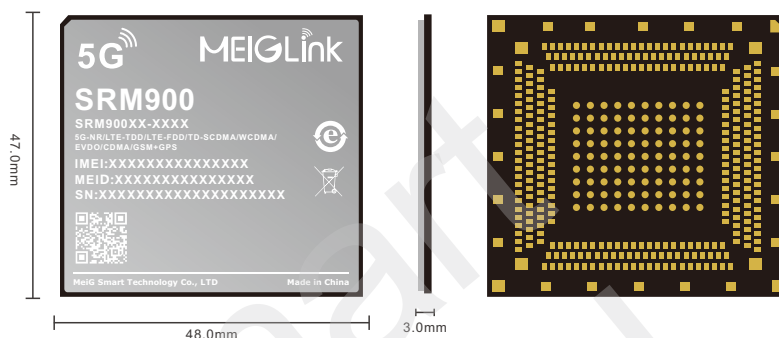
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MEIG

General features:

- OS: Android R(11)
- Storage: 64GB UFS+4GB LPDDR4x (default)
128GB UFS+6GB LPDDR4x (optional)
- Operating Temp: -40°C ~ +75°C
- Size: 47.0x48.0x3.0mm
- Package: LGA
- Weight: about 13.0g
- Certification: TBD



Outstanding features:

- WLAN: 2.4G/5G, 2x2 MU MIMO, 802.11 a/b/g/n/ac, 11ax ready
- BT: BT2.1+EDR/3.0/4.1 LE/5.x BLE
- GNSS: GPS/GLONASS/BeiDou, L1+L5GPS
- Modem:
 - 3GPP Rel.15 5G NR
 - sub-6 GHz 5G NR
 - 256 QAM uplink/downlink in sub-6 GHz
 - Rel.15 LTE multimode modem
- Built-in charging chip and voltmeter, Support Qualcomm Quick Charge 4.0
- Support dual screen display and dual touch
- USB OTG

Interface:

- LCM: FHD+ 10 bit, 60/90/120 Hz support,
 - One 4-lane DSI, D-PHY 1.2, C-PHY 1.0
 - DisplayPort support over USB Type-C
- Camera: Support 3 × ISP 14 bit + 1 × lite ISP: 16+16+16 MP 32MP, 30ZSL with dual ISP
- Analog Audio: Speaker, Receiver, Ear phone, mic*3
- USB: USB 3.0*1, Support QC4.0, USB OTG, Type-C Display Port
- I2C: x5
- (U)SIM: x2 (1.8V/2.95V)
- UART: x3 (Max rate of 4Mbps)
- SD Card: x1 (Support SD 3.0, 4-bit SDIO)
- PWRKEY: 1.8V, Internal pull-up
- SPI: x2 one group can be reused as UART, one group can be reused as I2S which supports Tx and Rx.
- ADC: x2
- GPIO: x19
- Motor drive: x1
- Flashlight: x2
- LED: x 4
- Antenna: LTE/5G ant0/1/2/3, GNSS, 2.4G Wi-Fi & BT, 5G Wi-Fi

Audio & Video:

- Supports VoLTE ultra HD voice calls, SRVCC/CSFB voice drop technology
- 24-bit/192kHz Hi-Fi music playback
- Video codec: Decode 4K@30fps 10-bit; Encode 4K@30fps 8-bit;
- 4K@30 playback+1080P@30 encode

Band(MHz):

China

SRM900-C

5G: N41/N78/N79/N1
NSA/SA
EN-DC: B3 or B39+N79
B3 or B39+N41
B5 or 8 or 1 or B3+N78
LTE-FDD: B1/B3/B5/B8
LTE-TDD: B34/B38/B39/B40/B41
WCDMA: B1/B5/B8
TD-SCDMA: B34/B39

EMEA

SRM900-E

5G: N78/N1/N3/N20/N28 (NSA/SA)
LTE-FDD: B1/B3/B5/B7/B8/B20/B28
LTE-TDD: B38/B40/B41
WCDMA: B1/B3/B5/B8
North America: TBD
South America: TBD
Australia/Taiwan: TBD

America* TBD

