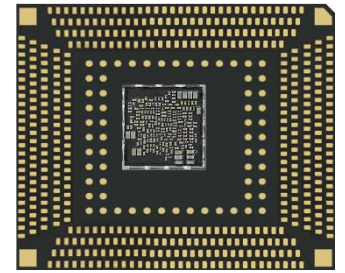


# MeiG-SRM955

## Multi-mode 5G/LTE Smart Module

### Support Wi-Fi 6E, L1+L5 GPS

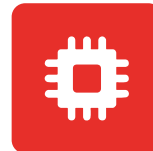


MeiG SRM955 Series Smart module, Base on Qualcomm 5G SoC QCM6490 chipset. Using Qualcomm Kryo™670 CPU (1\* A78 2.7GHz + 3\*A78 2.4GHz + 4\* A55 1.9GHz) with 6nm FinFET manufacturing process, built-in 64bit ARM V8 kernel, Adreno™ GPU 643, OpenGL ES 3.2, Vulkan1.x, OpenCL 2.0. Internal AI processor Dual HVX and 4K HMX, AI computations over 14 Tops. Adreno™VPU 633, support max 4K@30 video encode or 4K@60 video decode, H.264/H.265. The module runs the Android 13 operating system, memory 128GB+8GB DDR5 UFS, support 5G NR sub-6Ghz, DL 4x4 MIMO, UL 2x2 MIMO, NSA and SA. Integrated L1+L5 GPS, 2x2 MIMO WIFI 6E and BT 5.2 function.

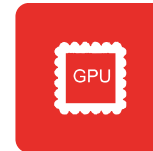
SRM955 integrates rich functional interfaces, including LCM, Touch panel, Camera, Microphone, Speaker, UART, USB, I2C, SPI, PCIe, etc. Can support Voice, SMS, Address book. It can be widely used in products such as video recorder, smart POS, logistics terminal, VR camera, intelligent robot, video surveillance, security surveillance, vehicle-mounted equipment, intelligent information acquisition equipment, intelligent handheld terminal, uav and so on under 5G network.

#### Main Advantage:

- ✓ Support 5G NR sub-6Ghz, DL 4x4 MIMO SA/NSA mode and UL 2x2 MIMO SA mode
- ✓ Support WIFI 6E, 2x2 MU MIMO
- ✓ AI computations ~ 14Tops
- ✓ Support dual screen display and dual touch (FHD+@60fps DSI + 4K@60fps DP)
- ✓ 5\* camera ports, 3\*Bayer ports+ 2\*RDI ports
- ✓ Integrated GNSS(GPS L1+L5 dual bands)
- ✓ Support 4K@30fps encode or 4K@60fps decode
- ✓ Rich interfaces: USB / PCIe / SPI / UART / ...



Qualcomm  
8 core Kryo™



Adreno™  
GPU 643



Android 13



DL 4x4 MIMO  
UL 2x2 MIMO



5G sub-6GHz  
SA/NSA



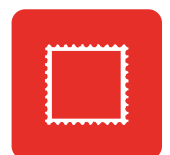
2x2 MIMO  
WIFI 6E



L1+L5 GPS



~ 14 Tops

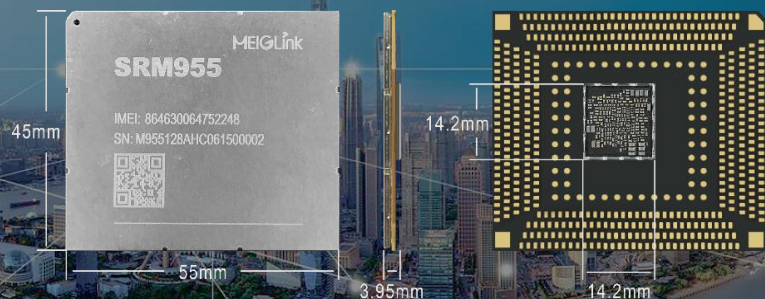


LGA

# MeiG-SRM955

Multi-mode 5G/LTE Smart Module

Support Wi-Fi 6E, L1+L5 GPS



## Frequency Band

SRM955-US:

5G-NR: N2/N5/N12/N25/N30/N38/N41/N48/N66/N71/N77/N78  
LTE-FDD: B2/B4/B5/B7/B12/B13/B14/B17/B25/B29/B30/B46/B66/B71  
LTE-TDD: B38/B41/B42/B43/B48  
WCDMA: B2/B4/B5  
GSM: B2/B3/B5/B8

SRM955-EMEA:

5G-NR: N1/N3/N7/N8/N28/N38//N41/N77/N78/N79  
LTE-FDD: B1/B2/B3/B5/B7/B8/B20/B26/B28 LTE-  
TDD: B38/B40/B41  
WCDMA: B1/B2/B5/B8  
GSM: B2/B3/B5/B8

SNM955:

WiFi & BT only

## Multimedia Information

Video En/Decode:

- Decode: 4K@60fps H.264/H.265/VP9;
- Encode: 4K@30fps H.264/H.265;
- Concurrency:  
1080p60 D + 1080p60 E or 4K30 D + 1080p30E

## Interfaces Information

Display Port:

- FHD+@60fps MIPI-DSI + 4K@60fps Displayport
- One 4-lane DSI, D-PHY 1.2 or C-PHY 1.2
  - DisplayPort v1.4 over USB Type-C

## Camera Port

- 5 x 4-lane CSI D-PHY 1.2 or C-PHY 1.2
- 3 x 14 bit ISP + 2 x lite ISP
- 22 + 22 + 22 MP or 64MP 30fps

## Touch panel Port

- I2C interface capacitive touch screen

Audio Interface:

- Analog output: speaker, receiver, earphone
- Analog input: 3\*MICs,
- Digital interface:  
2 x I2S ports  
Support Audio over USB Type-C

## USB Interface

- Double USB ports: 1 x USB 3.1 Gen1 + 1 x USB 2.0
- Support USB OTG

## General Interface

- PCIe port: 1 lane (PCIe Gen 3 2-lane)
- I2C port: 10 lane
- (U)SIM port: 2 lane (1.8V/2.95V)
- UART port: 3 lane (support hardware flow control, the highest rate up to 4Mbps)
- SD card port: 1 lane (support SD 3.0, 4-bit SDIO, dual-voltage)
- SPI port: 2 lane
- ADC port: 8 lane
- GPIO port: 19 lane
- Vibrator port: 1 lane
- Flashlight port: 4 lane
- LED port: 3 lane
- PWRKEY: 1.8V, internal pull-up
- PMI

## Antenna Interface

- Main antenna, GNSS antenna, Wi-Fi&BT antenna

## Outstanding Features

- WLAN: WIFI 6E(2.4G/5G, 2x2 MU MIMO, 802.11 a/b/g/n/ac/ax)
- Bluetooth: BT5.2
- GNSS: GPS/GLONASS/BeiDou, L1+L5 GPS
- Modem:  
3GPP Rel.15 5G NR  
sub-6 GHz 5G NR  
256 QAM uplink/downlink in sub-6 GHz  
Rel.15 LTE multi-mode modem

- Supports dual-screen abnormal display
- Dual SIM Card Dual Standby
- Firmware update via USB

## General Characteristic

Operating System: Android 13

Memory:

- 128GB UFS + 8GB LPDDR5 (default)
- 256GB UFS + 12GB LPDDR5 (option)

Temperature: -40°C ~ +75°C

Size: 55.0mm(L)×45.0mm(W)×3.95mm(H)

Package: LGA packaging

Weight: About 13.0g

## Certification

Regulatory: FCC/CE/IC/RCM/UKCA/PTCRB/GCF(US SKU)

Carriers: AT&T/\*Verizon/\*T-Mobile

\* Indicates that development is in progress