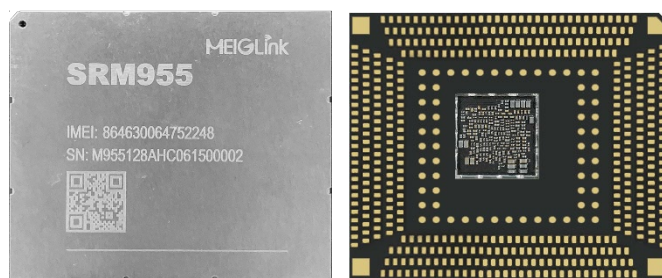


MeiG-SRM955

Multi-mode 5G/LTE Smart Module

Support Wi-Fi 6E, L1+L5 GPS

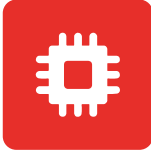
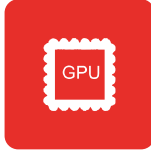


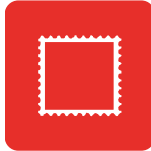


MeiG SRM955 Series Smart module, Base on qualcomm 5G SoC QCM6490 chipset. Using qualocmm Kryo™6xx CPU (1* A78 2.7GHz + 3*A78 2.4GHz + 4* A55 1.9GHz) with 6nm FinFET manufacturing process, built-in 64bit ARM V8 kernel, Adreno™ GPU 635, OpenGL ES 3.2, Vulkan1.x, OpenCL 2.0. Internal AI processor Dual HVX and 4K HMX, AI computations over 10 Tops. Adreno™VPU 633, support max 4K@30 video encode or 4K@60 video decode, H.264/H.265. The module runs the Android 12 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:

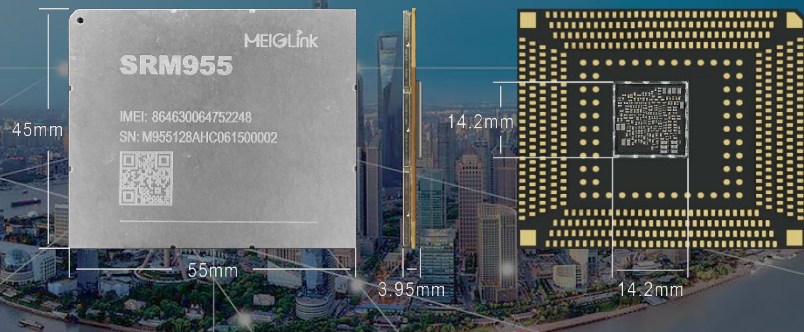
- ✓ Support 5G NR sub-6Ghz, DL 4 × 4 MIMO SA/NSA mode and UL 2 × 2 MIMO SA mode
- ✓ Support WIFI 6E, 2x2 MU MIMO
- ✓ AI computations > 10Tops
- ✓ Support dual screen display and dual touch
(FHD+@60fps DSI + 4K@60fps DP)
- ✓ 5* camera ports, 3*Bayer ports+ 2*RDI ports
- ✓ Integrated GNSS(GPS L1+L5 dual bands)
- ✓ Support 4K@30fps encode or 4K@60fps decode
- ✓ Rich interfaces: USB / PCIe / SPI / UART / ...

 Qualcomm 8 core Kryo™ 6xx	 Adreno™ GPU 635	 Android 12/13
 DL 4x4 MIMO UL 2x2 MIMO	 5G sub-6GHz SA/NSA	 2x2 MIMO WIFI 6E
 L1+L5 GPS	 > 10 Tops	 LGA packaging

MeiG-SRM955

Multi-mode 5G/LTE Smart Module

Support Wi-Fi 6E,L1+L5 GPS



RF Bands Config:

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

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: B38/39/B40/B41
WCDMA: B1/B2/B5/B8
GSM: B2/B3/B5/B8

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 v1.4w over USB Type-C

Camera Port:

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

Touch pannel Port:

- I2C interface capacitive touch screen

Audio Interface:

- Analog output: speaker、receiver、earphone
- Analog input: 3*DMICs,
- Digital interface:
4 x MIS ports, 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: 5 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: 2 lane
- GPIO port: 19 lane
- Vibrator port: 1 lane
- Flashlight port: 2 lane
- LED port: 4 lane
- PWRKEY : 1.8V, internal pull-up

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 12

Memory:

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

Temperature: -40°C ~ +75°C

Size: 55.0mm×45.0mm×3.0mm

Package: LGA packaging

Weight: About 13.0g

Certification:

Regulatory: FCC/CE/PTCRB/GCF/IC/NOM/*MIC/*CCC/*UL/*SRRC

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

* Indicates that development is in progress