

MeiG-SLM927

Multi-Mode LTE Smart Module

Support Wi-Fi ax ready & BT 5.1



MeiG Smart SLM927 is the latest smart module using Qualcomm snapdragon SM6225 platform with 6nm FinFET process, built-in 64bit ARM(4*A73 2.4GHz+4*A53 1.9GHz). SLM927 supports 1080P@60fps video encoding/decoding, H.265/H.264 running Android 13 operating system, built-in on-board memory 4GB+64GB(3GB+32GB, 8GB+128GB). It integrates BT, GNSS and WiFi, supports LTE Cat.4 and multi-modes of connectivity including TD-LTE/ FDD-LTE/ WCDMA/ EVDO/ TD-SCDMA/ CDMA/ GSM.

SLM927 series modules support the following markets: SLM927-CN, SLM927-EAU, SLM927-NA, SLM927-JP, SNM927(WiFi only).

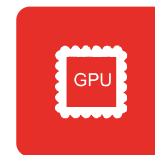
SLM927 integrates rich functional interfaces, including LCM, touch panel, camera, microphone, speaker, UART, USB, I2C, SPI and so on. It can provide functions such as voice, SMS, address book, 2.4G/5G Wi-Fi, BT and GPS, which can be widely used in video recorder, intelligent POS cash registers, logistics terminals, VR Camera, intelligent robots, video surveillance, security surveillance, automotive equipment, intelligent information collection equipment, intelligent handheld terminals, UAV and other products.

Main Advantage:

- ✓ Support multi-modes of cellular connectivity
- ✓ Support WIFI ax ready
- ✓ Support FHD+(1080x2520)@60Hz / 90Hz
- ✓ Support 3xISP (13+13+5MP), 3xCamera
- ✓ Integrated GPS for fast and accurate positioning in different environments
- ✓ Support 1080p @60fps encode/decode



Qualcomm CPU 8-cores up to 2.4GHz



Qualcomm GPU Adreno™ 610



Android 13



LTE CAT.4



BT 5.1



WIFI 802.11 ax ready



GPS+BeiDou+GLONASS



H.265/H.264/HEVC

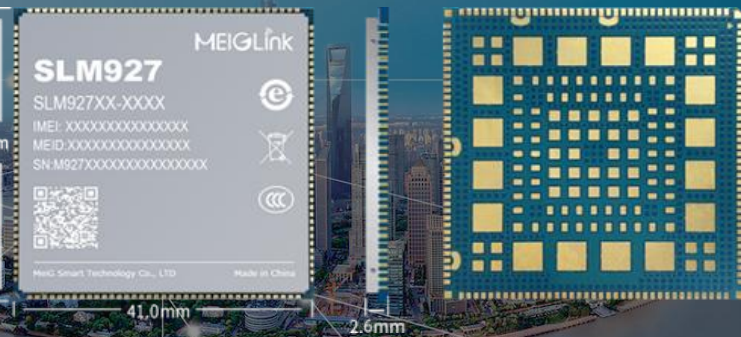


LCC+LGA

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Frequency Band

SLM927-EAU:

GSM:GSM850/EGSM900/PCS1900/DCS1800

WCDMA:Band 1/2/5/8

FDD-LTE:Band 1/3/5/7/8/20/28

TDD-LTE:Band 38/40/41(2496-2690MHz)

SLM927-CN:

GSM:GSM/GPRS/EDGE EGSM900/DCS1800

WCDMA:Band 1/8

FDD-LTE:Band 1/3/5/8

TDD-LTE:Band 34/38/39/40/41(2535-2655MHz)

SLM927-JP:

GSM:GSM/GPRS/EDGE EGSM900/DCS1800

WCDMA:Band 1/3/6/8/19

FDD-LTE:Band 1/3/8/18/19/26

FDD-LTE:Band 41

SLM927-A*:

WCDMA:Band B2/4/5

FDD-LTE:Band B2/4/5/7/12/13/14/17/25/26/66/71

TDD-LTE:Band 41(2496-2690MHz)

Audio & Video

Support VoLTE Ultra HD voice calls SRVCC/CSFB voice fallback technology

24-bit/192kHz high fidelity music playback

Video codec:

- Decode: 1080p@60fps HEVC/H.264/H.265/VP9;
- Encode: 1080p@60fps HEVC/H.264/H.265;
- Concurrency: 1080p@30fps D + 1080p@30fps E

Display Interface

1x 4-lane MIPI_DSI

FHD+ (1080x2520) @60Hz/90Hz

Touch Screen Interface

Capacitive touch screen, I2C interface

Camera Interface

3x 4-lane MIPI_CSI

Support 3x ISP

13 + 13 + 5 MP@30fps ZSL

16 + 16MP@30fps or 25 + 5MP@30fps ZSL

32MP@30fps ZSL; 64M@30fps non-ZSL

Audio Interface

Analog Audio: speaker, earpiece, earphone, 3x microphones

Support 1x noise reduction microphone

USB Interface

USB 3.0*1Gen2

Conform USB 3.0/2.0 standard, support USB OTG

Antenna Interface

2xmain antenna, 1x GNSS antenna, 1x Wi-Fi&BT antenna

Other Interface

I2C interface: 6

(U)SIM interface: 2 (1.8V/2.95V)

UART interface: 3 (support HW flow control, max 4Mbps)

SD card interface: 1 (support SD 3.0, 4-bit SDIO)

SPI interface: 2 (Multiplex pin with UART/I2S)

ADC interface: 2

GPIO interface: >19

Motor driver interface: 1

Flashlight interface: 2

LED interface: 4

PWRKEY: 1.8V, internal pull-up

Outstanding Feature

WIFI: 2.4G/5G, 802.11 a/b/g/n/ac/ax ready

BT: BT5.1

GNSS: GPS/GLONASS/BeiDou

Support DS2DS

Firmware update via USB

General Feature

OS: Android 13

Storage:

64GB + 4GB uMCP(LPDDR4x) (default)

32GB + 3GB uMCP(LPDDR4x) (option)

128GB + 8GB uMCP(LPDDR4x) (option)

Working temperature range: -30°C ~ +75°C

Storage temperature range: -40°C ~ +90°C

Working voltage: 3.5V~4.35V (typical value: 3.8V)

Module size: 41.0mm × 41.0mm × 2.6mm

Package: LCC + LGA

Weight: ~13.0g

Certification

CCC/CE/FCC*/JATE*/TELEC*

* means in developing