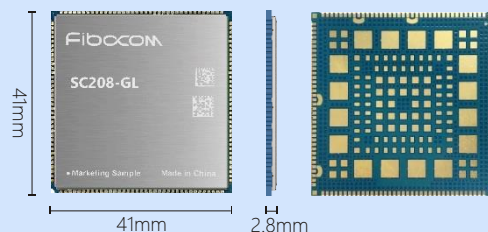


Fibocom SC208

4G SoC Module



Key Advantages

- Qualcomm Octa-core processor (4 * A73 2.0G + 4 * A53 1.8G)
- Adopts memory DDR4X, 11nm production process, providing better power consumption performance
- Support maximum 1080P video playing and multi-channel camera input with low power consumption
- Supports MIPI DSI 2520x1080@60fps
- Supports multi-constellation GNSS receiver for accurate positioning and navigation



Qualcomm Octa-core

Fibocom SC208 is a multi-mode Smart LTE Category 4 communication module. It is powered by Qualcomm SM6115 chipset with Octa-core (4*A73 2.0G + 4*A53 1.8G) processor and CPU is designed with Arm DynamIQ, adopting 11nm production process, providing better power consumption performance. It is integrated with high-performance graphics engine to allow smooth 1080P video playing and multi-channel camera input.



2520 x 1080@60fps

The module adopts a LCC+LGA form factor, compatible with Fibocom's SC138, SC228, SS808, SQ808, SC128, and SU808 modules, offering customers the flexibility to migrate between different technologies. Furthermore, it is designed to serve the markets of Europe, Asia, Australia, and Brazil.



Wi-Fi 802.11 a/b/g/n/ac

SC208 series support 4G/3G/GSM, as well as dual-band Wi-Fi and Bluetooth short-distance wireless transmission technology. It also supports multi-constellation GNSS receiver (GPS/ GLONASS/ BeiDou/ Galileo/QZSS), enabling high-performance positioning and navigation. Meanwhile, it presets open Android operating system with a rich set of interfaces including MIPI/ USB/ UART/ SPI/ I2C, etc., enabling much flexibility and ease of integration to meet various application demands of the IoT industry.



BT 5.1 BLE

Fibocom smart module SC208 can be widely used in various industries such as smart POS, Industrial handsets, body worn camera, PoC terminals, in-vehicle applications, smart home and more.



Android 14



GPS/GLONASS/Beidou/Galileo/QZSS



Professional reference design and technical support



Smart(LTE Cat 4)	SC208-GL
Region	Global
Basic Features	
Form Factor	148 LCC+ 128 LGA
CPU	Qualcomm's SM6115, Quad-core ARM Cortex™-A73, 2.0GHz+Quad-core ARM Cortex™-A53, 1.8GHz
GPU	Adreno 610
Memory	4GB/ LPDDR4X RAM; 64GB UFS
Dimensions(mm)	41x41x2.8
LTE FDD	B1/2/3/4/5/7/8/12/13/17/18/19/20/25/26/28/66/71
LTE TDD	B34/38/39/40/41
WCDMA	B1/2/4/5/6/8/9/19
GSM	850/900/1800/1900MHz
Wi-Fi	802.11 a/b/g/n/ac
BT	5.1 BR/EDR/BLE
GNSS	GPS/GLONASS/Beidou/Galileo/QZSS
OS	Android 14
Power Supply	3.5~4.2V
Operating Temp	-30°C - +75°C
Weight	9.6±0.1g
Data Transmission	
LTE FDD(Mbps)	Max 150(DL)/ 75(UL)
LTE TDD(Mbps)	Max 130(DL)/ 45(UL)
WCDMA(Mbps)	HSUPA: Max 11(UL)
	HSPA+: Max 42(DL)
EDGE/GPRS(Kbps)	EDGE: Max 296(DL)/ 236.8 (UL)
	GPRS: Max 107(DL)/ 85.6(UL)
Multi-media	
Video Encode	1080P@60fps H.265/H.264
Video Decode	1080P@60fps 8bit HEVC(H.265),VP9
Interfaces	
LCD	1 * 4-Lane MIPI_DSI up to 2520×1080@60fps up to 1.5Gbps
Cam	Tri ISP, 13M & 13M; CSI 4/4/4 or 4/4/2/1
UART	3 x UART, up to 4Mbps
I2C	6 x I2C, up to 3.4Mbps
USB	1 x USB3.1, Type-C
SDIO	1 x SD3.0
GPIO	33 GPIOs
Speaker	1W on 8Ω load in Class-D mode
Receiver	1 x Mono, AB
Mic	2 x analog microphones
Handset	Stereo CLASS AB
USIM	2 x SIM card,support dual-SIM dual-standby
Keys	Power on/off /Volume up /Volume down /Reset
Certification Approvals	
Regulation	FCC*/IC*/CE*/RoHS*/REACH*/HF*/CCC*/NAL*/SRRC*/TSCA*/TELEC*/JATE*
Operator	NA
Industry	NA

** = planning

* = under development

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