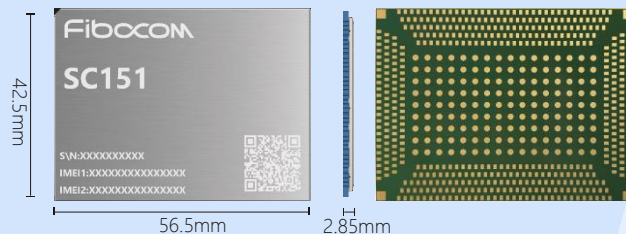


Fibocom SC151

5G SoC Smart Module



Key Advantages:

- Outstanding performance Octa-core processor provides faster data calculation and image analysis
- Supports up to four-channel cameras which can work simultaneously
- Supports DL 4x4 MIMO SA/NSA mode and UL 2x2 MIMO SA mode
- Dual-frequency GPS realizes rapid and precise positioning in all environments
- High integration and flexible interface design meets the application needs of a wider range of IoT industries



Qualcomm Octa-core

Fibocom SC151 is a 5G SoC smart module based on Qualcomm chipset QCM4490. It features with a Octa-core processor (2*A78@2.4GHz + 6*A55@2.0GHz) with a high-performance graphics engine Adreno 613.



2520 x 1080@120fps

It supports both 5G NSA and SA modes and is backward compatible with 4G/3G network. It supports 5G NR Sub-6GHz, DL 4x4 MIMO, UL 2x2 MIMO, as well as Wi-Fi 6/6E and Bluetooth short-distance wireless transmission. Furthermore, the module supports multi-constellation GNSS receiver (GPS(L1+L5)/ GLONASS/ BeiDou) for high-performance positioning and navigation, while greatly simplifying product design.



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



BT 5.2 BLE

SC151 comes with the Android 13 operating system and a variety of interfaces such as MIPI, USB, UART, SPI, and I2C. These interfaces provide flexibility and easy integration to meet the diverse application demands of the IoT industry.



Android13

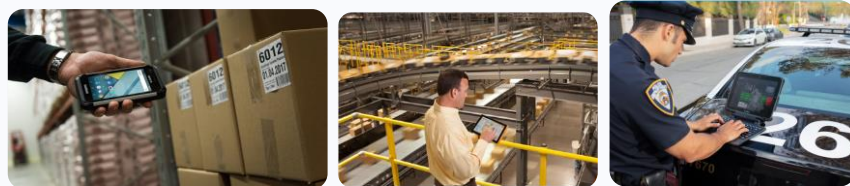
Fibocom SC151 smart module can be used in various 5G IoT applications, such as industry handhelds, body worn camera, PoC, IVI, smart ECR and smart home. It serves as an optimal solution for the core system of wireless products worldwide.



GPS/GLONASS/Beidou



Professional reference design and technical support



Smart(NR Sub6)	SC151-CN	SC151-GL*	SC151-W**
Region	China	Global	(Wi-Fi ONLY)
Basic Features			
Form Factor	LGA		
CPU	QCM4490 2xGold A78@2.4GHz + 6xSilver A55@2.0GHz		
GPU	Adreno™ 613 GPU		
Memory	4GB LPDDR4X+64GB UFS		
Dimension (mm)	56.5 x 42.5 x 2.85		
Sub-6	n1/3/5/8/28/41/78/79	n1/2/3/5/7/8/12/14/20/25/28/30/38/40/41/48/66/71/77/78	NA
LTE	B1/3/5/8/34/38/39/40/41	B1/2/3/4/5/7/8/12/13/14/17/18/19/20/25/26/28/30/32/38/40/41/42/43/48/66/71	NA
WCDMA	B1/8	B1/2/4/5/6/8/9/19	NA
Wi-Fi	802.11 a/b/g/n/ac/ax (2X2 MIMO) 2.4G/5G/6G		
BT	5.2 BR/EDR/BLE		
GNSS	GPS(L1+L5)/Beidou/GLONASS		NA
OS	Android 13		
Power Supply	3.5~4.4V		
Operating Tem.	-30°C - +75°C		
Weight	9.6±0.1g		
Data Transmission			
5G Sub-6 SA	-CN: 2T4R 256Q Max. 2000Mbps (DL)/Max. 900Mbps (UL) -GL: 1T4R 256Q Max. 2000Mbps (DL)/Max. 450Mbps (UL)		NA
5G Sub-6 NSA	1T4R 256Q Max. 2500Mbps (DL)/Max. 550Mbps (UL)		NA
LTE	Max. 1200Mbps (DL)/Max. 100Mbps (UL)		NA
WCDMA	Max. 42Mbps (DL)/Max. 5.7Mbps (UL)		NA
Multi-media			
Video Encode	1080P@60fps (H.264/H.265)		
Video Decode	1080P@60fps (H.264/H.265, VP9)		
Interfaces			
LCD	4-lane MIPI_DSI up to FHD+(2520 x 1080)		
CAMERA	MIPI_CSIX3, ISPx2 Up to 25M		
QUP	8+2(LPI) (UART/SPI/I2C)		
USB	1x USB3.1 backward USB2.0, Support OTG		
SDIO	1 x SD 3.0		
GPIO	33 GPIOs		
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		
Certification Approval			
Regulation	RoHS/CCC*/SRRC*/NAL*	CE*/Reach*/HF*/RoHS*/FCC*/IC*/TELEC**/JATE**	CE**
Operator	NA	NA	NA
Industry	NA	NA	NA

* =planning /under development

