



SLK-R610-01

Industrial 5G Wireless

CPE

Datasheet

Product Introduction:



Introduction:

SLK-R610-01 is a 5G BOX product designed for industrial applications that convert 5G wireless signals into gigabit Ethernet, USB 3.1 and Wi-Fi 6 signals to provide stable and high-speed 5G access for other devices.

The product integrates Qualcomm's newest generation Snapdragon SDX55 baseband chip, conforms to the 3GPP Release 15 standard, and can support independent networking (SA) and independent networking (NSA) deployment. It can cover the 5G commercial network frequency band of major regions and operators around the world, and is compatible with various 3G/4G network standards downward to meet the needs of mobile scenario. At the same time, it integrates Qualcomm's latest generation Wi-Fi 6 chip QCA6391, adopts 2X2 MIMO, supports simultaneous work of 2.4g and 5G, and the highest download rate of Wi-Fi can reach 1.8Gbps, which can effectively improve the access experience of multiple users.

Product support hardware and software watchdog, can adapt to the input voltage 8V~16V fluctuations, using a gigabit network port, optional installation on both sides of the accessories support screw/glue and other fixed ways. With the built-in radiator design, normal operation can be achieved in the temperature range of $-30^{\circ}\text{C} \sim 70^{\circ}\text{C}$, and stable operation can be achieved for a long time in the complex industrial environment.

M2M has been widely used in the Internet of things industry chain of industry, such as self-service terminals, smart grid, smart transportation, smart home, financial, mobile POS terminals, supply chain automation, industrial automation, intelligent buildings, fire control, public security, environmental protection, meteorology, digital medical treatment, remote sensing, agriculture, forestry, water, coal, petrochemical and other fields.

Features:

- ✓ Built-in Qualcomm Snapdragon SDX55 baseband chip, in line with the 3GPP Release 15 standard, can support independent networking (SA) and independent networking (NSA) two network deployment
- ✓ 5G NR had a maximum downlink rate of 2.12Gbps and a maximum uplink rate of 900Mbps.
- ✓ The maximum LTE support is Cat20 with a maximum downlink rate of 2Gbps and a maximum upline rate of 200Mbps
- ✓ Support RF MIMO and receive diversity technology to improve communication quality and optimize data transmission speed

Details:
Hardware:

Hardware	
CPU	Qualcomm QCA6391
RAM	4Gb NAND + 4Gb LPDDR4
NOR Flash	32MB
OS	LINUX Latest Version
Other	Hardware watchcat

Software:

Software	
Interface	WEB UI
APN	Global Auto-APN
Upgrade	FOTA & Local
SMS	Support
Other	Firewall / port forwarding / DHCP server/SNTP

WIFI Performance:

WIFI Support	
Wireless	Support WIFI6 WIFI 2*2 MIMO, 802.11 a/b/g/n/ac/ax
Frequency	2.412GHz to 2.472GHz and 5.150GHz to 5.825GHz Synchronous dual band
WIFI Rate	2x2 MU-MIMO on-board WiFi 2.4GHz up to 574Mbps, TCP data up to 400Mbps
	2x2 MU-MIMO on-board WiFi 5GHz up to 1210Mbps, TCP data up to 800Mbps
Modulation technology	802.11b: DSSS (DBPSK / DQPSK / CCK) 802.11a/g: OFDM (BPSK / QPSK / 16-QAM / 64-QAM) 802.11ac/n: OFDM (BPSK / QPSK / 16-QAM / 64-QAM / 256-QAM)

Network Frequency:

Network Frequency		
Supported Frequency	5G/4G/3G Verison	
5G	Sub-6G	N1/N3/N5/N7/N8/N20/N28/N38/N40/N41/N77/N78/N79
4G	LTE-FDD	B1/B3/B5/B7/B8/B18/B19/B20/B28
	LTE-TDD	B34/B38/B39/B40/B41/B42
3G	WCDMA	B1/B3/B5/B8
Theoretical Bandwidth	<ul style="list-style-type: none"> Sub - 6G:Up: 300Mbps,Down: 4 Gbps LTE CAT20:Up: 150Mbps,Down: 2.4Gbps 	

	<ul style="list-style-type: none"> • HSPA+:Up: 5.76Mbps,Down: 42.0Mbps <p>The above values are theoretical and the actual speed is subject to the local environment</p>
--	--

Interface:

Interface	
LAN port	1 x 10/100/1000M ethernet port
USB port	1x USB3.1 Type-C
Reset	1x reset
Antennas	LTE/NR Antennas x6 Wi-Fi x2 External antenna connecting seat is reserved, and the shell can be customized to support the remote antenna
LED	Status indicator: Indicates the status of startup, network, etc
	Interface indicator: indicates the status of WiFi, network port, etc
SIM Slot	2FF standard SIM card

Power Interface :

Power	
Default Power	DC 12V/2A Power Supply (NA,EU standard for optional)
Input VDC	DC 8~16V, 12V Default
Rate	16W (Max)

Physical Properties:

Physical Properties:	
Operation Temperature	Storage Temperature: -40°C to 85°C
	Normal temperature: -20° C to 60° C
	Extended temperature: -30° C to 70° C
Relative humidity	95%
Size	L*S*H: 120mm x78mm x 23mm
Weight	Net weight:260g
Certification	CCC,CE,FCC,RHOS

Other:

Other	
Warranty	2 Years
Package	5G router、1.5m RJ45 cable、12V/2A Power supply

Order Information:

Model	LAN	SIM Slot
SLK-R610-10	1	1

Thank you for choosing Seriallink products

If you have any questions, please contact: info@seriallink.net or visit :www.seriallink.net