SLK-R610 Series

Industrial 5G Wireless

CPE Data Sheet

Product Introduction

Introduction：

SLK−R610−5G is an industrial−grade high−speed 5G wireless CPE based on Multi−Band 5G NR/LTE−FDD/LTE−TDD/HSPA+ cellular mobile network to provide users with high−speed wireless Internet and wireless data transmission functions.

This product adopts industrial−grade dedicated communication　Qualcomm Atheros IPQ4029 710MHz CPU processors, industrial−strength wireless mold piece, the LINUX embedded real−time operating system, support a SIM card interface, four LANs, a WAN port, a USB interface and 2.4G&5.8 High power WIFI interface, at the same time provide LAN port equipment or WIFI Internet or data transmission function.

It also adopts wide temperature, wide voltage input and EMC test with electromagnetic compatibility.

Has been widely used in the Internet of things industry chain of M2M 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, telemetry, agriculture, forestry, water, coal, petrochemical and other fields.

Features：
- ✓ Qualcomm Quad−core CPU/ 710MHz
- ✓ 2x2 MU−MIMO On−board WiFi 2.4GHz radio, up to 574Mbps physical data rate
- ✓ 2x2 MU−MIMO On−board WiFi 5GHz radio, up to 1210Mbps physical data rate
- ✓ 4 x 10/100/1000M Ethernet LAN Ports
- ✓ 1x10/100/1000M Wan Port

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Details：

Hardware ：

Hardware	
CPU	Qualcomm Quad-core CPU/ 710MHz IPQ4029
RAM	256MB
NOR Flash	32MB
OS	LINUX latest version

WIFI Performance：

WIFI supported	
Wireless	High power WiFi performance On-board 2x2 2.4GHz 802.11b/g/n, max 25dBm per chain, and On-board 2x2 5GHz 802.11a/n/ac, max 27dBm per chain
Frequency	2.412GHz to 2.472GHz and 5.150GHz to 5.825GHz, simultaneous dual band
WIFI Rate	2x2 MU-MIMO On-board WiFi 2.4GHz radio, up to 574Mbps physical data rate, TCP data up to 400Mbps
	2x2 MU-MIMO On-board WiFi 5GHz radio, up to 1210Mbps physical data rate, TCP data rate up to 800Mbps
Modulation Techniques	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）

Cellular Interface：

Cellular Interface		
Band Supported	5G/4G/3G Version	
5G	Sub-6G	n1,n2,n3,n5,n7,n8,n12,n20,n25,n28,n40,n41,n66,n71,n77,n78,n79
4G	LTE-FDD	B1/B2/B3/B4/B5/B7/B8/B12/B13/B14/B17/B18/B19/ B20/B25/B26/B28/B29/B30/B32/B66/B71
4G	LTE-TDD	B34/B38/B39/B40/B41/B42/B48
3G	WCDMA	B1/B2/B3/B4/B5/B8
Theory of Bandwidth	• Sub‐6G:Uplink up to 300Mbps,Downlink up to 4 Gbps • LTE CAT20:Uplink up to 150Mbps,Downlink up to 2.4Gbps • HSPA+:Uplink up to 5.76Mbps,Downlink up to 42.0Mbps This is the theoretical value, the actual speed is subject to the local operator	

Router characteristics	
Firewall	Network Address Translation （NAT）
	State full Packet Inspection （SPI）
Media Access Control	CSMA/CA with ACK
VPN protocol	PPTP,L2TP ,OpenVPN Client

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DHCP	Build-in DHCP（Dynamic Host Configuration Protocol）
Others protocol	Supported PPP,PPOE，DDNS,ICMP,VRRP etc

Interface：

Interface	
LAN □	4 x 10/100/1000M ports
WAN □	1x 10/100/1000M WAN port
USB □	1x USB3.0 port
Reset	1x Reset
Antennas	2x 4G Antennas（50Ω SMA interface ）
	2x 2.4G/5.8G WiFi Antennas（50Ω SMA interface ）
LED	Power-SYS-LAN-WiFi-4G LEDs
SIM slot	Supported 1.8/3.3V SIM card

Power interface ：

Power	
Default power	DC 12V/2A power adapter（US,EU etc stander option）
Input VDC	12~28VDC
Power Consumption	16W （Max）

Physical property：

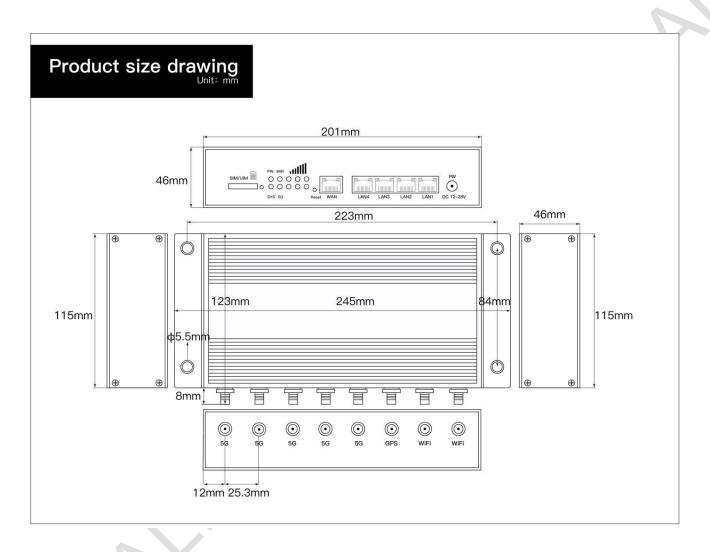| Physical property：	
Operating Temperature	Storage Temperature：（-40°C to 85°C）
	Operating Temperature： （-40°C to 75°C）
Relative Humidity	95%
Size	L*S*H: 201mm x115mm x 46mm
Weight	Net weight:816g
	Packing weight: 1.35kg
Certification	CCC,CE,FCC,RHOS

Others：

other	
Warranty	2 years
Package contains	Seriallink Router,1.5m long RJ45 Cable,12V/2A Power Adapter,Antennas User manual（ Option choose PDF）

Order information：

Model	LAN	WAN	SIM slot	WIFI ANT	5G ANT
SLK-R610-5G	4	1	1	2	2

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Mounting dimension:

Product size drawing
Unit：mm

201mm

46mm

SIM/UIM PW WiFi

SYS 5G   Reset WAN   LAN4 LAN3 LAN2 LAN1   DC 12~28V   PW

223mm

46mm

123mm   245mm   84mm

115mm

115mm

φ5.5mm

8mm

5G   5G   5G   5G   5G   GPS   WiFi   WiFi

12mm 25.3mm

Thank you for your support of SERIALLINK products.
If you have any questions, please email: info@seriallink.net or www.seriallink.net

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