SLK-R640

5G Wireless CPE

Datasheet

Product Introduction：

Introduction：

SLK-R640 is a 5G wireless CPE product designed for enterprise 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, support Standalone（SA）and Non-Standalone（NSA）. It covers 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 QCA8072, adopts 4X4 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, using 4 gigabit network ports.With the built-in radiator design, normal operation can be achieved in the temperature range of -10℃ ~ 45℃, and stable operation can be achieved for a long time in the common house environment.

Features:

✓ Built-in Qualcomm Snapdragon SDX55 baseband chip, in line with the 3GPP Release 15 standard, 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 4x4 MIMO and receive diversity technology to improve communication quality and optimize data transmission speed

Details：

Hardware：

Hardware	
Chipset	Qualcomm SDX55 + IPQ8072A + QCA8072 + QCA8081
RAM	4Gb NAND + 4Gb LPDDR4
NOR Flash	64MB
OS	LINUX Latest Version
Other	Hardware watchcat

Software：

Software	
SW Update	TR069 & Local Update
WIFI Mode	AP
WIFI Security	OPEN & WPA-PSK& WPA2-PSK & WPA-PSK/WPA2-PSK & WPA3
SMS & Phone Book	Default only Support SMS, PB can be customized
Voice	VoLTE & CS Domain Voice & VOIP∗
IPv4	Support IPv4
IPv6	Support IPv6
Firewall	Mac/IP address filter, Port forwarding, WiFi Black/Whilte list
Data Statistics	Support
SNTP	Support
SNMP	can be customized
DMZ	Support
APNs	Support DUAL STACK, 2 APNs
VPN Pass Through	Support PP2P/L2TP/IPSec
TR069	Support
SIM Lock	Can be customized
VPN Pass Through	Support PP2P/L2TP/IPSec Pass through
HTTP	Support

WIFI Performance：

WIFI Support	
Wireless	Support WIFI6 WIFI 4∗4 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	4x4 MU-MIMO on-board WiFi 2.4GHz up to 574Mbps，TCP data up to 400Mbps
	4x4 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	N28/N41/N77/N78/N79
4G	LTE-FDD	Region：EMEA, China, Korea, Australia B1/B3/B5/B7/B8/B18/B19/B20/B28 Region：North America, South America：B2/B4/B5/B12/B13/B14/B25/B26/B28/B29/B30/B66/B71
	LTE-TDD	Region：EMEA, China, Korea, Australia：B34/B38/B39/B40/B41/B42 Region：North America, South America：B41/B42/B43/B48
3G	WCDMA	B2/B4/B5
Theoretical Bandwidth	• Sub‐6G:Up：300Mbps,Down： 4 Gbps • LTE CAT20:Up：150Mbps,Down： 2.4Gbps • HSPA+:Up：5.76Mbps,Down：42.0Mbps The above values are theoretical and the actual speed is subject to the local environment	

Interface：

Interface	
Ethernet ports	1WAN/LAN：100Base/1000Base/25000Base automatic adaptive port 2LAN： 100Base/1000Base automatic adaptive port
USB port	Micro USB 2.0 connect to modem
Reset	1x reset
Antennas	Internal Antenna＊12：LTE/NR＊8, WIFI＊4 Support TS-9 Antenna ＊2
LED	Power Indication LED,5G network Indication LED, 4/3/2G Indication LED，WiFi/WPS Indication LED, network signal Indication LED
SIM Slot	4FF SIM card（nano card） push-push SIM slot

Power Interface ：

Power	
Default Power	DC 12V/3A Power Supply（NA,EU standard for optional）
Input VDC	DC 8~16V，12V Default
Rate	36W （Max）

Physical Properties：

Physical Properties：	
Operation Temperature	Storage Temperature：-20°C to +85°C
	Normal temperature：-10°C to +45°C
Relative humidity	5%~ 95%
Size	L＊S＊H：160mm x85mm x 165mm

Weight	Net weight:1100g
Certification	CCC,CE,FCC,RHOS

Other：

Other	
Warranty	2 Years
Package	5G router、1.5m RJ45 cable、12V/3A Power supply

Order Information：

Model	LAN	WAN/LAN	SIM Slot
SLK-R640	2	1	1

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