SLK-R680-WIFI-8TH

Industrial Wifi6 Router

Data Sheet

Version: V1.1

Data:11/20 2021

Product Introduction

Introduction：

SLK-R680-WIFI-8TH is a multi-functional wireless WIF6 Router with high-performance 4-core CPU, high power WiFi6, Supports 8x 1000M Ethernet ports, which can be configured as LAN/WAN ports, you can choose DC48V POE power out version,2X2 MIMO 2.4g /5.8G WIFI6,Supported AP, Client Work mode etc. 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/1.2GHz,8Gb DDR3,4GB eMMC
- ✓ 802.11ac mode:PHY rate: 866.7 Mbps (5 GHz) and 400 Mbps (2.4 GHz)
  or proprietary PHY rate: 1083 Mbps (5 GHz) and 500 Mbps (2.4 GHz)
- ✓ 802.11ax mode:PHY rate: 1201 Mbps (5 GHz) and 573.5 Mbps (2.4 GHz)
- ✓ Wi-Fi supports supported IEEE802.11ac, IEEE802.11ax
- ✓ 4 x 10/100/1000M Ethernet LAN /WAN Ports(RJ45 Connector)
- ✓ 1x 1000M SFP Optical Fiber Interface
- ✓ 48V POE output(optional)
- ✓ DIN35MM Rail Install

Details：

Hardware ：

Hardware	
CPU	Qualcomm Quad-core CPU/1.2GHZ
RAM	8Gb
eMMC	4GB
OS	LINUX /OpenWRT

WIFI Performance：

WIFI supported	
Wireless	High power WiFi performance On-board 2x2 2.4GHz 802.11b/g/n, Gain max 27dBm. 802.11ac/ax, Gain max 21dBm. On-board 2x2 5GHz 802.11a/n Gain max 27dBm 802.11ac/ax Gain max 21dBm
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 1201Mbps 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) 802.11ax： OFDM 1024QAM

Router characteristics：

Router characteristics	
Firewall	Network Address Translation (NAT)
	State full Packet Inspection (SPI)
Media Access Control	CSMA/CA with ACK
WiFi	AP, Client
VPN protocol	PPTP,L2TP ,OpenVPN Client, SERIALLINK VPN Client
DHCP	Build-in DHCP (Dynamic Host Configuration Protocol)
Others protocol	Supported PPP,PPOE， DDNS,ICMP,VRRP etc

Interface：

Interface	
LAN/WAN Ports	8 x 10/100/1000M LAN/WAN ports(RJ45 Connector)
Optical Fiber Interface	1x 1000M SFP Interface
Reset	1x Reset
LED	Power-SYS-2.4G WiFi-5.8G WIFI - LEDs
POE Ethernet out	Supported 48V POE output(optional)
WiFi Interface	2X 2.4G&5.8G SMA WIFI Antenna interface

Power interface ：

Default power	DC 12V/2A power adapter (US,EU etc stander option) 52V/3A Power adapter (POE Output Version) (US,EU etc stander option)
Input VDC	12~55VDC
POE Output	IEEE802.3af/at Compliant, this router work as PSE Device, Output Stander POE48V 802.af PSE output 15.4W, PD 12.95W. 802.at PSE output 30W, PD25.5W
Power Consumption	18W (Max)

Physical property：

Physical property：	
Operating Temperature	Storage Temperature: (-40°C to 85°C)
	Operating Temperature: (-45°C to 75°C)
Relative Humidity	95%
Size	L*S*H: 144mm x94mm x 50mm
Weight	Net weight:556g
	Packing weight: 987kg
Certification	CCC,CE,FCC,RHOS

Others：

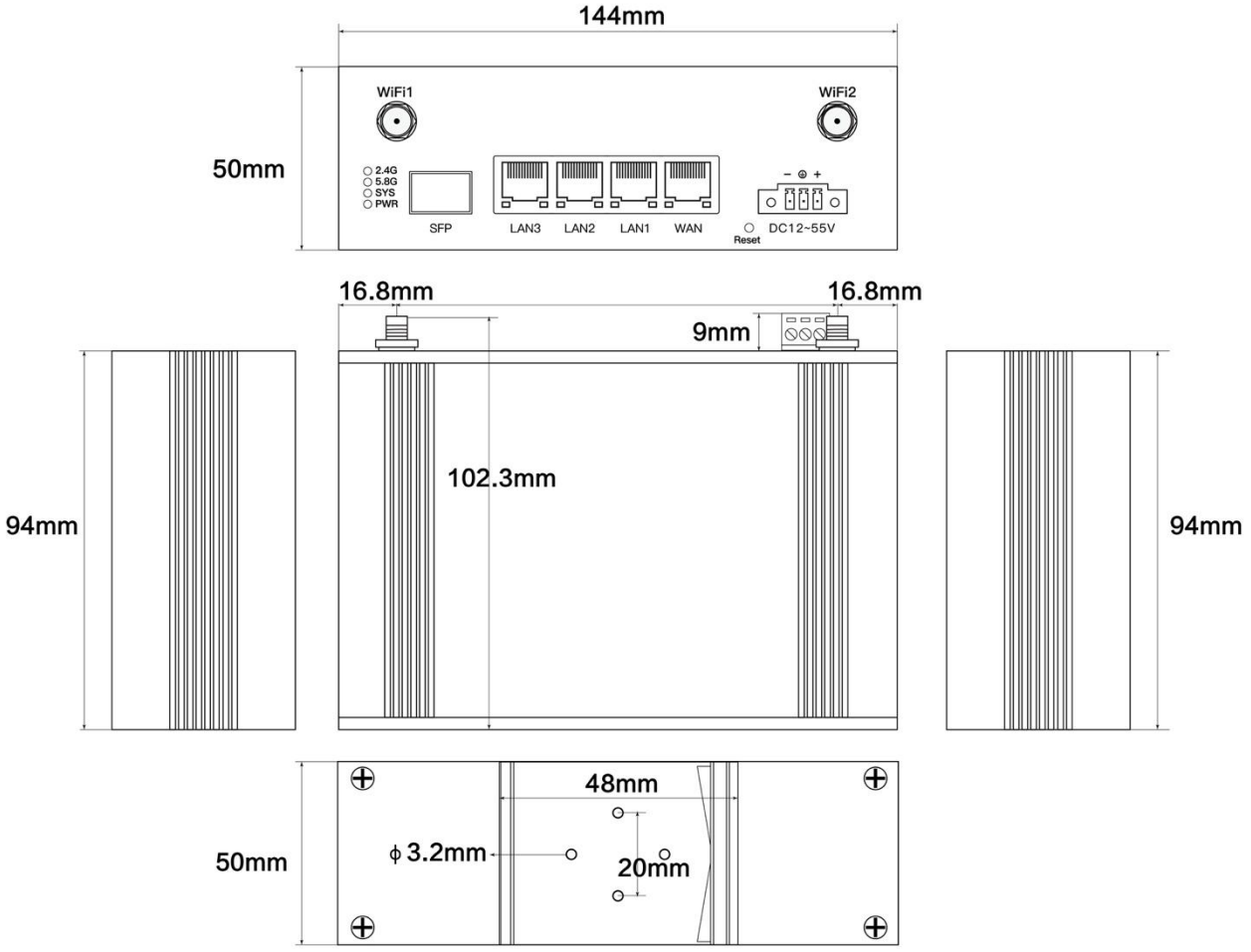
Warranty	2 years

Order information：

Model	SLK-R680-WiFi-8TH Router,2xWIFI antennas,1x 12V/2A Power adapter,1x RJ45 Cable
SLK-R680-WIFI-8TH	
SLK-R680-WIFI-8TH(POE)	SLK-R680-WIFI-8TH(POE) Router,2xWIFI antennas,1x 52V/1.5A Power adapter， 1x RJ45 Cable

Product size drawing

Unit：mm



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