

(V 1.02)

- 3G/4G LTE/5G data transmission;
- Active auto connect;
- Embedded watchdog , Auto recovery;
- 2*2 4G/WIFI MIMO antenna; **(Optional)**
- 4*4 5G MIMO antenna;
- 4G LTE/5G antenna gain: 7DBi
- Integrate 3G/4G LTE/5G, WIFI 6,
- Integrate GPS feature **(Optional)**;
- Support 2 LAN ports, Support one LAN port by default;
- POE power supply (+12V/1.5A~+24V/0.8A);
- With SIM card slot;
- Remote management platform;
- Firmware version: **Openwrt 19.07**;
- Waterproof,dustproof,lightning protection.
Protection level, IP65

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Application scenarios



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Product Specification

Item	Product specification
Chipset	Qualcomm X55
MEMORY	FLASH 512MByte, DDR2 512MByte
Embedded system	Openwrt 19.07
Network	5G NR, FDD LTE,TDD LTE,WCDMA
WIFI	WIFI 6, 2.4GHz/5.8GHz, 802.11 AX, 1800Mbps
Data rate	5G SA Sub-6 . DL 4.2Gbps; UL 900Mbps 5G NSA Sub-6. DL 5Gbps; UL 650Mbps
	4G LTE: CAT 20, DL 2Gbps , UL 150Mbps
	WCDMA HSPA+: DL 42Mbps, UL 5.76Mbps
WIFI Tx Power	2.4GHz: 20dBm (11b) , 17dBm (11g) , 16dBm (11n) , 14dBm (11AC) , 13dBm (11AX) 5.8GHz: 15.5dBm (11a) , 15dBm (11n) , 14dBm (11AC) , 13dBm (11AX)
WIFI data rates	802.11a: 6 Mbps, 9 Mbps, 12 Mbps, 18 Mbps, 24 Mbps, 36 Mbps,48 Mbps, 54 Mbps 802.11b: 1 Mbps, 2 Mbps, 5.5 Mbps, 11 Mbps 802.11g: 6 Mbps, 9 Mbps, 12 Mbps, 18 Mbps, 24 Mbps, 36 Mbps,48 Mbps, 54 Mbps 802.11n: HT20 (MCS0-7), HT40 (MCS8-15) 802.11ac: VHT20 (MCS0-8), VHT40 (MCS0-9), VHT80 (MCS0-9) 802.11ax: HE20 (MCS0-11), HE40 (MCS0-11), HE80 (MCS0-11)
3G/4G/5G Sensitivity	5G NR. 91 dBm , +/- 2dBm LTE 95dBm , +/- 2dBm WCDMA 104dBm , +/- 2dBm
GPS	GPS/GLONASS,Protocol: NMEA
WIFI Frequency	2.4GHz/5.8GHz

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Product Specification

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2G/3G/4G Frequency bands	Version 1. 5G NR n1/n3/n5/n7/n8/n20/n28/n38/n40/n41/n77/n78/n79 LTE FDD: B1/B3/B5/B7/B8/B18/B19/B20B26/B28/B32 LTE TDD. B34/B38/B39/B40/B41/B42 WCDMA B1/B3/B5/B6/B8/B19 DL 4*4 MIMO B1/B3/B38/B40/B41/B42
	Version 2. 5G NR: n2/n5/n7/n12/n25/n41/n48/n66/n71/n77/n78 LTE FDD: B2/B4/B5/B12/B13/B14/B25/B26/B29/B30/B41/B42/B66/B71 LTR TDD B41/B48 WCDMA: B2/B4/B5 DL 4*4 MIMO B2/B4/B25/B30/B41/B66

Product Specification

Item	Product specification
3G/4G LTE/5G Frequency bands	5G NR: n1/n2/n3/n5/n7/n8/n20/n28/n41/n66/n71/n77/n78/n79 LTE: B1/B2/B3/B4(66)/B5(18/19/26)/B7/B8/ B12(17)/B13/B14/B20/B25/B26/B28/ B29/B30/B38/B39/B40/B41/B42/B43/ B46/ B48/B71 DL 4×4 MIMO: 5G NR: n1/n2/n3/n7/n41/n66/n77/n78/n79 LTE: B1/B2/B3/B4/B7/B25/B30/B38/B39/B40/B41/B42 /B43/B48/B66 DL 256QAM UL 64QAM WCDMA: B1/B2/B3/B4/B5/B8/B9/B19

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Hardware interface	Support 2 LAN ports, Support one LAN port by default;
RF	Built-in WIFI, 5G or 4G LTE, GPS antenna
Security Encryption	Support WEP 、 WPA 、 WPA2 encryption ways
Protocol	PPTP,L2TP,IPSEC VPN,TCP,UDP, DHCP,HTTP,DDNS,TR-069, HTTPS, SSH
LED Indicator	“SYS”, “Net”, “WAN”, “LAN”
SIM/UIM	Standard draw card interface, support 1.8V/3V SIM/UIM card, built-in ESD protection
Key button	Reset
Standard Power	POE input: DC 24V/1A
Power Supply	POE input: DC +12V/1.5A~+24V/0.8A
Working current	2.5A (Max Current)
Temperature	Operating Temperature -30°C ~ +70°C Storage Temperature -40°C ~ +80°C
Environment humidity	95%
Case	Waterproof plastic shell, IP65
Size	245mm*145mm*50mm
Weight	554g