

XTC5151

5G Indoor CPE



Highlights:

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 Makalu Ivy510
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 3GPP Release 15
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 802.11AX protocol
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 IPv6 Stack
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 Firewall

Introduction:

5G/4G/Wired Broadband Internet, more stable and faster. 5G/4G Global Communication, support 5G/4G/3G and WiFi 6, is stable and does not drop the line, can support 4K video playback without jamming.

Interface of XTC5151:



Technical Specifications

Product Feature

Dimension	112*110*224mm
Net Weight	About 730g
Working Temp	-10 to 55° C
Storing Temp	-40 to 70° C
Humidity	5% to 90%
AC adapter	12V/2A
Buttons	Power, Reset, WPS

5G/4G/3G WAN Feature

Chipset	Makalu Ivy510
3GPP release	Release 15
5G NR	5G NR SA: n1/n3/n5/n7/n8/n20/n28/n38/n40/n41/n66/n77/n78 5G NR NSA: n1/n3/n7/n28/n38/n40/n41/n77/n78
5G Model	NSA/SA
LTE&WCDMA	LTE: B1/B2/B3/B4/B5/B7/B8/B20/B28/B38/B40/B41/B66 WCDMA: B1/B2/B5/B8
Network Function	5G SA Sub-6G: DL 2Gbps, UL 1Gbps 5G NSA SUB-6G: DL 2.6Gbps, UL 650Mbps 4G LTE: DL 600Mbps, UL 150Mbps

WLAN Feature

Frequency Range	2.4G: 2.412~2.4835GHz 5.8G: 5.150GHz~5.250GHz, 5.7250GHz~5.8250GHz
Wireless rate	11b: 1/2/5.5/11Mbps 11g: 6/9/12/18/24/36/48/54Mbps 11n: Max 600Mbps 11ac: Max1200Mbps 11ax: Max1800Mbps
Working channel	2.4G: 1~13 5.8G: 36,40,44,48,52,56,60,64,100,104,108,112,116,120,124,128,132,136,140,149,153,157,161,165
Spread Spectrum Technology	DSSS
Data modulation method	802.11a: OFDM (BPSK, QPSK, 16-QAM, 64-QAM) 802.11b: DSSS (DQPSK, DBPSK, CCK) 802.11g: OFDM (BPSK, QPSK, 16-QAM, 64-QAM) 802.11n: OFDM (BPSK, QPSK, 16-QAM, 64-QAM) 802.11ac: OFDM (BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM) 802.11ax: OFDM (BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM, 1024-QAM)
Medium Access Protocol	CSMA/CA with ACK

WLAN Feature

Data Encryption	WPA-PSK/WPA2-PSK, WPA3-SAE, WPA3-SAE/WPA2-PSK2
Power	2.4G: 11b: 20dBm±2dBm@11Mbps 11g: 20dBm±2dBm@6Mbps, 17dBm±2dBm@54Mbps 11n: 20dBm±2dBm@6Mbps, 17dBm±2dBm@54Mbps 11ax: 20dBm±2dBm@6Mbps, 17dBm±2dBm@54Mbps 5.8G: 11ac(VHT80): 18dBm±2dBm@MCS0, 15dBm±2dBm@MCS9 11ax(VHT80): 18dBm±2dBm@MCS0, 15dBm±2dBm@MCS11
Receiving sensitivity	2.4G: 11g: <-82dbm@ 6Mbps, <-65dbm@ 54Mbps 11n (HT20): ≤ -62dBm@MCS7 11n (HT40): ≤ -61dBm@MCS7 11ax (HT40): ≤ -79dBm@MCS0, ≤ -49dBm@MCS11 5.8G: 11ac(VHT80): ≤ -76dBm@MCS0, ≤ -51dBm@MCS9 11ax:(VHT80): ≤ -76dBm@MCS0, ≤ -46dBm@MCS11

Function Data

SIM slot	Support SIM (4FF nano)
Memory	RAM(DDR3): 256MBytes, Flash(SPI): 32MBytes
Interface	1×10/100/1000Mbps WAN Port, 2×10/100/1000Mbps LAN Port, 1×USB 2.0 Port, 1×NANO USIM card Port, 1×DC power Port
5G antenna	Built-in high-performance full frequency antenna, 2T4R
WiFi Antenna	Built-in high-performance Wi-Fi antenna 2.4G: 2T2R, 5G: 2T2R
Indicator light	Power indicator (blue), WiFi indicator (blue and green), 5G networking indicator (tricolor), 4G networking indicator (tricolor)
Language	Chinese/English
IP protocols	IPv4/IPv6
Practical Function	Setup wizard, SMS send and receive, NAT
Network Settings	WAN connection types supported: PPPoE, DHCP, Static IP, PPTP, L2TP, APN, IPv6, DHCP, Visitors to the network, Parental control
Management	TR069/FOTA, Device Information, NTP, Cell Lock, PIN management, Firmware Backup/Restore, Flow statistics, Change password, etc
Security Settings	Firewall
Wireless	Black and white list, WIFI Settings, Mesh configuration, WPS
Network tool	PING, Tracert, Nslookup