



XMC5151-V

5G Indoor CPE

Highlights:



UDX710
5G modem



SA & NSA
3G/4G/5G



VoNR/VoLTE



IPv6 Stack

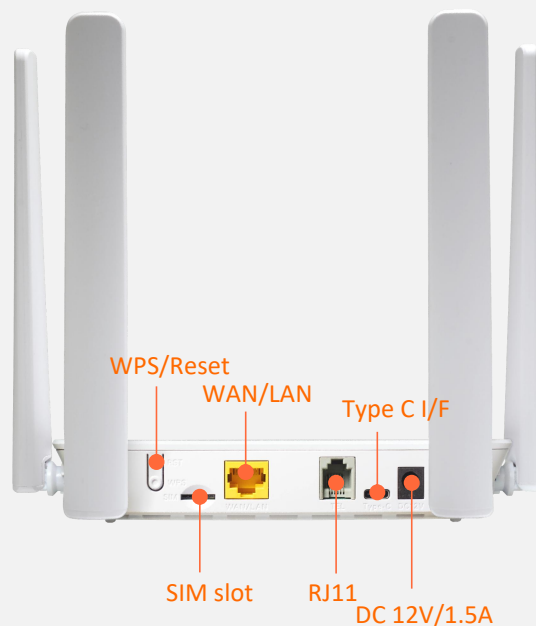


Firewall

Introduction:

The XMC5151 CPE integrates the UDX710 chip, supporting 3G/4G/5G networks (SA/NSA). With 4 external mobile antennas and two WiFi antennas (WiFi 6 compatible), it offers fast and reliable connectivity. The device includes a Gigabit Ethernet port and voice port for VoLTE or VoNR. Its foldable antennas offer convenience for storage and portability. The XMC5151 ensures optimized internet access anywhere, anytime.

Interface of XMC5151-V:



Technical Specifications

Product Feature	
Dimension	150*105*30mm
Net Weight	about 250g
Working Temp	-30°C to 65°C
Storing Temp	-40°C to 70°C
Humidity	5% to 90%
AC adapter	12V/1.5A
Buttons	Reset/WPS, Restore Factory Settings or active WPS

5G/4G/3G WAN Feature	
Chipset	UDX710
3GPP release	Release 15
Frequency Bands	5G NR NSA: n1/n3/n7/n20/n28/n38/n40/n41/n77/n78 5G NR SA: n1/n3/n5/n7/n8/n20/n28/n38/n40/n41/n66/n77/n78 FDD LTE:B1/B2/B3/B4/B5/B7/B8/B20/B28/B66 TDD LTE: B38/B40/B41 WCDMA:B1/B2/B5/B8
Bandwidth	5G NR:5/10/15/20/25/30/40/50/60/80/90/100 MHz LTE Band:1.4/3/5/10/15/20 MHz
Modulation	5G NR: UL and DL: 256QAM LTE: UL: QPSK, 16QAM, 64QAM; DL: QPSK, 16QAM, 64QAM, 256QAM WCDMA: QPSK, 16QAM and 64QAM
5G Antenna	4 External Antennas
RF Power Level	- Power Class 3 (23 dBm ± 2 dB) for 5G NR n1/n3/n5/n7/n8/n20/n38/n40/n41/n66 - Power Class 3 (23 dBm +2/-2.5 dB) for 5G NR n28 - Power Class 3 (23 dBm +2/-3 dB) for 5G NR n77/n78 - Power Class 2 (26 dBm +2/-3 dB) for 5G NR n41/n77/n78 HPUe - Power Class 3 (23 dBm ± 2 dB) for LTE B1/B2/B3/B4/B5/B7/B8/B20/B28/B38/B40/B41/B66 - Power Class 3 (23 dBm ± 2 dB) for UMTS B1/B2/B5/B8
Data Rate	5G: NSA: 2.6 Gbps (DL)/650 Mbps (UL); SA: 2 Gbps (DL)/1 Gbps (UL) LTE: Cat 12 (DL)/Cat 13 (UL); 600 Mbps (DL)/150 Mbps (UL) WCDMA: 3GPP-R9 DC-HSDPA: 42.2 Mbps (DL)/HSUPA: 11 Mbps (UL); WCDMA: 384 kbps (DL)/384 kbps (UL)

WLAN Feature 2.4G WIFI	
Chipset	EA6521QF
Frequency	2.4GHz(2400 - 2483.5 MHz)
Protocol	802.11b/g/n/ac/ax, 40MHz; WIFI 6
Channel	1~13
Antenna	Internal, 1 x 1 SISO
Data Rate	802.11b:Up to 11 Mbps 802.11g:Up to 54 Mbps 802.11n:Up to 150 Mbps 802.11ac:Up to 200 Mbps 802.11ax:Up to 286.8 Mbps
Transmit Power	20±2dBm @ 802.11b 18±2dBm @ 802.11g 16±2dBm @ 802.11n 15±2dBm @ 802.11ac 12±2dBm @ 802.11ax
Receiver input level sensitivity	<-88dBm at the antenna port,11Mbps @ 802.11b <-74dBm at the antenna port,54Mbps@ 802.11g <-70dBm at the antenna port,150Mbps @ 802.11n(HT40) <-65dBm at the antenna port,200Mbps @ 802.11ac(HT40) <-60dBm at the antenna port,286.8Mbps @ 802.11ax(HT40)

WLAN Feature 5.8G WIFI	
Chipset	EA6621QF
Frequency	5.15~5.25GHz; 5.25~5.35GHz; 5.47~5.73GHz; 5.735~5.835GHz
Protocol	802.11a/n/ac/ax, 80MHz; WIFI 6
Channel	Ch36,Ch40, Ch44, Ch48; Ch52~Ch64; Ch100~Ch140; Ch149~Ch165
Antenna	Internal, 1 x 1 SISO
Data Rate	802.11a:Up to 54 Mbps 802.11n:Up to 150 Mbps 802.11ac:Up to 433.3 Mbps 802.11ax:Up to 600.5 Mbps
Transmit Power	17±2dBm @ 802.11a 17±2dBm @ 802.11n 14±2dBm @ 802.11ac 12±2dBm @ 802.11ax
Receiver input level sensitivity	<-76.5dBm at the antenna port,54Mbps @ 802.11a <-71.5dBm at the antenna port,150Mbps @ 802.11n(HT40) <-62dBm at the antenna port,433.3Mbps @ 802.11ac(VHT80) <-58dBm at the antenna port,600.5Mbps @ 802.11ax(HE80)

Function Data	
LAN/WAN	1GE*RJ45 can support WAN/LAN Self-Adapter
SIM slot	Support SIM (4FF nano)
USB	Type C I/F, for FW debug or ECM modem (USB RNDIS)
Power Jack	12v/1.5A interface recommended
RJ11	VoNR/VoLTE Voice
Indicator light	Power indicator (LED, White), WiFi indicator (LED, White), 5G/4G/3G network indicator (LED, White), WAN/LAN Indicator (LED, White), RJ11 Indicator(LED,White), Data transmission Indicator(LED,White)
Language	Chinese/English/Español/Português, Customized
System	Connection Status; Statistics; Device Management; Power Mangement
Mobile Service	SMS Manager; Automatic APN matching according to USIM; Auto Data Connection; PIN/PUK Management; Network Mode Selection (5G/4G/3G/Auto)
Router	SSID; OPEN, WPA2(AES)-PSK/, WPA-PSK/WPA2-PSK encryptions; APN management; IPv4/IPv6; VPN Pass through contains IPSecVPN, PPTP VPN, L2TP VPN; DHCP Server, Dynamic IP; UPnP, DMZ; Firewall:PORT Filtering/ Port Mapping/ Port Forwarding; DDNS, NAT; Access Control, Local Management
Management	TR069/FOTA
OS	Windows 7/8/10/11 MAC OS 10.10+ Android 10/11 Ubuntu 15.04+ Browser: IE9+, Firefox, Google Chrome, Safari, Opera
FW Upgrade	USB/FOTA