



5G IDU-1A Indoor CPE



Applications:

- ✧ Mobile Home Theater 8K Ultra-High-Definition Live Video
- ✧ Smart AI Factory
- ✧ Ultra-low latency 3D virtual panorama court broadcast or training
- ✧ Smart Logistics
- ✧ Ultra-long-distance streaming

Key Features:

- 5G NR and LTE-A Cat19 Dual mode
- Wi-Fi 6 Supports 802.11ax, OFDMA, and MU-MIMO. Maximum 1.8Gbit/s throughputs



- Support both NSA and SA modes
- Support 5G 2CC CA
- Worldwide Sub-6 5G and LTE-A coverage
- Built-in high gain wide bandwidth antennas
- Support 2x Gigabit Ethernet ports
- Powerful software features, support NAT, Bridge and Route mode
- IPv4&IPv6 and Multiple PDN support
- Built-in VPN and L2/L3 GRE client support
- WEB, TR069 and SNMP based device management

Hardware Specifications

Chipset	5G/LTE: MediaTek T750, 4 core ARM Cortex-A55 CPU @2GHz Wi-Fi: MT7915DAN + MT7975DN
RF Standard	5G NR (3GPP Release 15) TDD-LTE/FDD-LTE
Memory	ROM:8Gb Nand RAM: 8Gb DDR3
Indictors	1. Power 2. Wi-Fi Status 3. 4G tri-color 4. 5G tri-color 5. Signal Bar Indicator
Buttons	Reset Button
Interfaces	1. 1x GE WAN/LAN Port 2. 1x GE LAN Port 3. 1x RJ11 Port 4. 1x SIM Slot (3FF) 5. 1x eSIM (Option) 6. DC Socket 7. USB for Manufacture
LAN/WAN	2 x GE Port
Power Supply	AC100V~240V,50Hz~60Hz DC 12V 3A DC
Power Consumption	< 24W
Dimensions	228(H)×173(W)×71(T)mm
Weight	580g
Operating Temperature	0°C~45°C
Storage Temperature	-40°C~70°C
Operating humidity	95% Maxton-condensing
Storage humidity	95% Maxton-condensing



RF Specifications

Support Bands (For EA/NA Area)	<p>5G NR: n1/n3/n5/n7/n8/n20/n28/n38/n40/n41/n77/n78 (EA) n2/n5/n7/n12/n25/n41/n48/n66/n71/n77/n78 (NA)</p> <p>LTE FDD: B1/B3/B5/B7/B8/B20/B28/B32 (EA) B2/B4/B5/B7/B12/B13/B14/B25/B26/B29/B30/B66/B71 (NA)</p> <p>LTE TDD: B38/B40/B41/B42/B43 (EA) B41/B42/B43/B48 (NA)</p> <p>WCDMA: B1/ B5/ B8</p>
Carrier Aggregation	Supports 5G 2CC CA
NR-Sub6 Modulation	200MHz 2 DLCA, 256 QAM 200MHz 2 ULCA, 256 QAM 15KHz/30KHz SCS for FDD/TDD
LTE Modulation	100MHz 5 DLCA, 256 QAM 40MHz 2 ULCA, 256 QAM
MIMO	<p>5G DL 4 × 4 MIMO: n1/n3/n7/n38/n40/n41/n77/n78 (EA) n2/n7/n25/n41/n48/n66/n71/n77/ n78(NA)</p> <p>5G UL 2 × 2MIMO n41/n77/n78(EA) n41/n48/n77(NA)</p> <p>LTE DL 4 × 4MIMO B1/B3/B7/B38/B40/B41/B42/B43</p>
5G/4G TX/RX	1T2R/1T4R/2T4R
Output Power@25°C	<p>5G NR: 23±1.5dBm * N41/77/78/79: 26±1.5dBm LTE: 23±1.5dBm</p>
5G/4G Antenna	8 Built-in 5G&4G antennas
5G/4G Antenna Gain	6dBi
Wi-Fi Frequency	2.4GHz/5GHz
Wi-Fi Antenna	2 Built-in 2.4G Wi-Fi antennas 2 Built-in 5G Wi-Fi antennas
Wi-Fi Output Power	18dBm@2.4G; 20dBm@5G;
Wi-Fi Channel BW	20MHz,40MHz,80MHz(ac)
Wi-Fi Antenna Gain	2.5 dBi
Peak Throughput	<p>5G SA Sub-6 GHz 4.67 Gbps (DL)/ 2.5 Gbps (UL) 5G NSA Sub-6 GHz 3.74 Gbps (DL)/ 1.46 Gbps (UL) LTE 1.6 Gbps (DL)/ 211 Mbps (UL)</p>

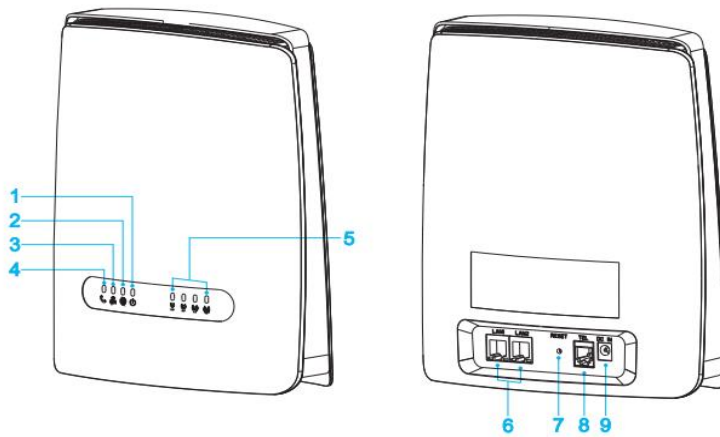


Software Description

Status indicator	SIM Card Status, Data transmission, Signal Strength, Language
Internet Status	Internet Status, Operator, Network Mode, Cell ID, RSRP, RSRQ
WiFi	Band, Status, Channel, Mode, SSID
WAN Info	Connect Mode, IP Address, Subnet Mask, DNS Server
LAN Info	IP Address, Subnet Mask, MAC Address
Rate Info	DL/UL Data Rate, Online Time
Device & SIM Info	Product Model, IMEI, Software Version, UICCID, IMSI
Statistics	CPU Usage, Memory Usage, APN List, Bandwidth Statistics Throughput Statistics
Auto Upgrade	FOTA Upgrading
Device Information	System Information Version Information LAN Status
WAN Settings	Network Mode: NAT, Bridge, Router
DNS Settings	Primary DNS, Secondary DNS
NR/LTE Settings	Connect Method, Roaming Switch, LTE/NR Network Status
Scan Mode	Full Band, Band Lock, Earfcn Lock, PCI Lock
APN Management	APN Settings APN List
LAN Settings	LAN Host Settings DHCP Settings
Wi-Fi	WLAN Status, WLAN Settings, WPS, Access Management, Guest Network, Region Setting
Parental Controls	Parental Controls Manager
Firewall	MAC Filtering, IP Filtering, URL Filtering, Port Forwarding, Port Triggering, Access Restriction, UPnP, DoS
VPN	PPTP, L2TP, L2TPv3, GRE
IPv6	IPv4v6 Dual Stack supported
Other Functions	DMZ, SIM lock, PIN management DDNS
Maintenance	Scheduled Reboot, Reboot, Reset
TR069	Support HTTP/HTTPS url Support remote upgrade Support cycle monitor Support TR143 for remote test Support STUN for Nat pass through
SNMP (option)	Support SNMP v2/v3
NTP	Auto, Manual, DST
Diagnostics	Ping, Traceroute, Iperf
Syslog	8 levels for debugging
WEB Settings	Manage the web access settings
Account	Account management



Equipment Appearance



1	POWER Indicator	4	TEL Indicator	7	Reset Button
2	Internet Indicator	5	Signal Indicator	8	TEL Port
3	WiFi Indicator	6	LAN Port	9	Power Port

LED INDICATION



Indicator	Status	Description
 TEL	Steady on	Registered to VoLTE
	Off	No establishment with VoLTE
	Bliking(500ms interval)	Connection has been established and is in a state with a hook or ringing
 WiFi	Steady on	2.4G or 5G Wi-Fi available
	Off	2.4G and 5G Wi-Fi unavailable
	Bliking(500ms interval)	Data transmission
	Bliking(1s interval)	Setting up WPS connection
 INTERNET	Steady on	Internet Available
	Off	Internet Unavailable
	Bliking(500ms interval)	Data transmission
 POWER	Steady on	Power on
	Off	No power supply
 SIGNAL	Steady on	Display the current cellular network signal, the stronger signal, the more bars on
	Off	No Signal
	All SIGNAL LED Blinking (1s interval)	Searching cellular network
	Bliking one by one	Firmware upgrade