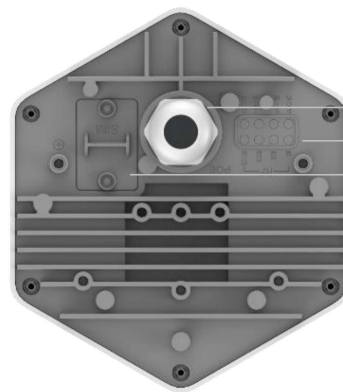


■ Overview

Hocell 5G CPE IM710 (ODU) is a 5G & LTE outdoor wireless router based on Qualcomm X55, which supports 5G NR (SA&NSA), TDD-LTE and FDD-LTE. It's designed with a SIM card slot and a GE LAN port of PoE, converting cellular network signals into wired network. With IP66 protection level and operating temperature from -20°C~+55°C, the device can support outdoor harsh environment. Designed with PoE, it eliminates the trouble for users to fetch electricity outdoors.

IM710 is an ideal wireless broadband access solution for home and SMB when 5G/LTE cellular signal outdoors is good but indoor signal is weak or not available. It can interconnect with a common Wi-Fi router (IDU) to provide indoor Wi-Fi coverage and Ethernet ports for various devices.

IM710 is also suitable for outdoor scenarios that require rapid deployment of broadband network, such as express cabinets, outdoor cameras, outdoor ultra-high-definition video transmission, mobile healthcare, mobile live broadcasting, industrial IoT, robotics, smart agriculture, and traffic command.



POE GE Port
Indicators
SIM Slot

■ Key Features



Harsh Environment



PoE



5G & LTE



Wi-Fi 2.4G for O&M

■ Application Scenarios

● For Home and Commercial Use

When indoor 5G signal is weak or not available, deploy an outdoor 5G CPE and use an IDU for indoor coverage.



● For Industrial Use

Suitable for outdoor scenarios that require rapid deployment of broadband networks, such as outdoor cameras, outdoor HD video live streaming, mobile healthcare, industrial IoT, robotics, smart agriculture, and traffic command.



■ Hardware & Radio Specification

| | |
|-----------------------|--|
| Chipsets | MT7621AT+ Qualcomm Snapdragon X55 |
| Flash | 16MB |
| RAM | 2Gb |
| 5G Standard | 3GPP Release 15, Sub-6 GHz |
| 5G Network Mode | NSA/SA |
| 5G Data Rate | 5G SA Transmission Speed: DL 2.1Gbps / UL 900Mbps 5G NSA Transmission Speed: DL 2.5Gbps / UL 650Mbps LTE: DL 1.0 Gbps, UL 200 Mbps (Note: Actual speed depends on operator network and environment) |
| 5G Frequency Bands | 5G NR NSA: n1/n2/n3/n5/n7/n8/n12/n20/n25/n28/n38/n40/n41/n48*/n66/n71/n77/n78/n79 5G NR SA: n1/n2/n3/n5/n7/n8/n12/n20/n25/n28/n38/n40/n41/n48*/n66/n71/n77/n78/n79 MIMO Downlink: 4 × 4 MIMO on n1/n2/n3/n7/n25/n38/n40/n41/n48/n66/n77/n78/n79 Uplink: 2 × 2 MIMO on n41 |
| 4G&3G Frequency Bands | LTE Category: Downlink Cat 16/ Uplink Cat 18 LTE-FDD B1/B2/B3/B4/B5/B7/B8/B12/B13/B14/B17/B18/B19/B20/B25/B26/B28/B29/B30/B32/B66/B71 LTE-TDD B34/B38/B39/B40/B41/B42/B43/B48 LAA B46 (Support 2 × 2 MIMO) Downlink 4 × 4 MIMO B1/B2/B3/B4/B7/B25/B30/B32/B34/B38/39/B40/B41/B42/B43/B48/B66 WCDMA B1/B2/B3/B4/B5/B6/B8/B19 |
| CA | 2CA, 3CA (CA combinations could be provided additionally) |
| EN-DC | 1LTE+1NR, 2LTE+1NR, 3LTE+1NR (EN-DC combinations could be provided additionally) |
| Wi-Fi Frequency | 2.4GHz (for O&M) |
| Wi-Fi Standard | 802.11b/g/n 2T2R MIMO |
| Wi-Fi Throughput | 300Mbps |
| Modulation Mode | 5G: GMSK/8PSK/BPSK/QPSK/16QAM/64QAM/256QAM |
| Antennas | 4 Built-in 5G/LTE omnidirectional antennas 2 Built-in 2.4GHz Wi-Fi antennas |
| Interfaces | 1*10/100M/1000 LAN (POE), 1*SIM card slot |
| Button | 1*Reset Button |
| LED Indicator | POWER/SIM/ETH/RUN/SIGNAL |
| AC/DC Power Supply | POE 36-57V DC |
| Power Consumption | <20W |
| Environment | Operating Temperature: -20°C~+55°C Storage Temperature:-40°C~+70°C Humidity: 5%~95% (Non condensation) |
| Dimension | 158x140x178.3mm |
| Weight | 800g (Excluding accessories and package) |

■ Software Specification

| Software Functions |
|---|
| Firewall |
| IPV4 |
| IPV6 |
| Smart QOS |
| Parent Control |
| UPNP |
| VPN (L2TP VPN client, PPTP VPN client) |
| APN |
| DHCP |
| DDNS |
| DMZ |
| Port Mapping |
| PIN management |
| SIM card authentication |
| Static route |
| NAT/router mode |
| TR069 |
| WebUI update |
| Wi-Fi encryption (Open, WEP, WPA2-PSK, AES, TKIP+AES) |
| Backup/restore settings |