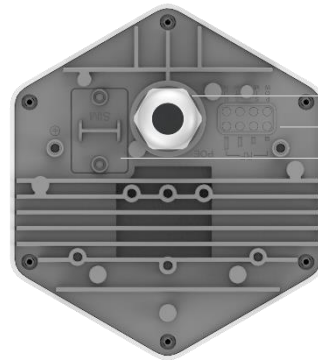


■ Overview

Hocell 5G CPE IM720 (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.

IM720 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.

IM720 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

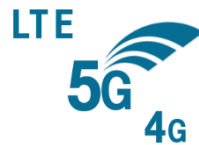
■ Key Features



Harsh Environment



PoE



5G & LTE

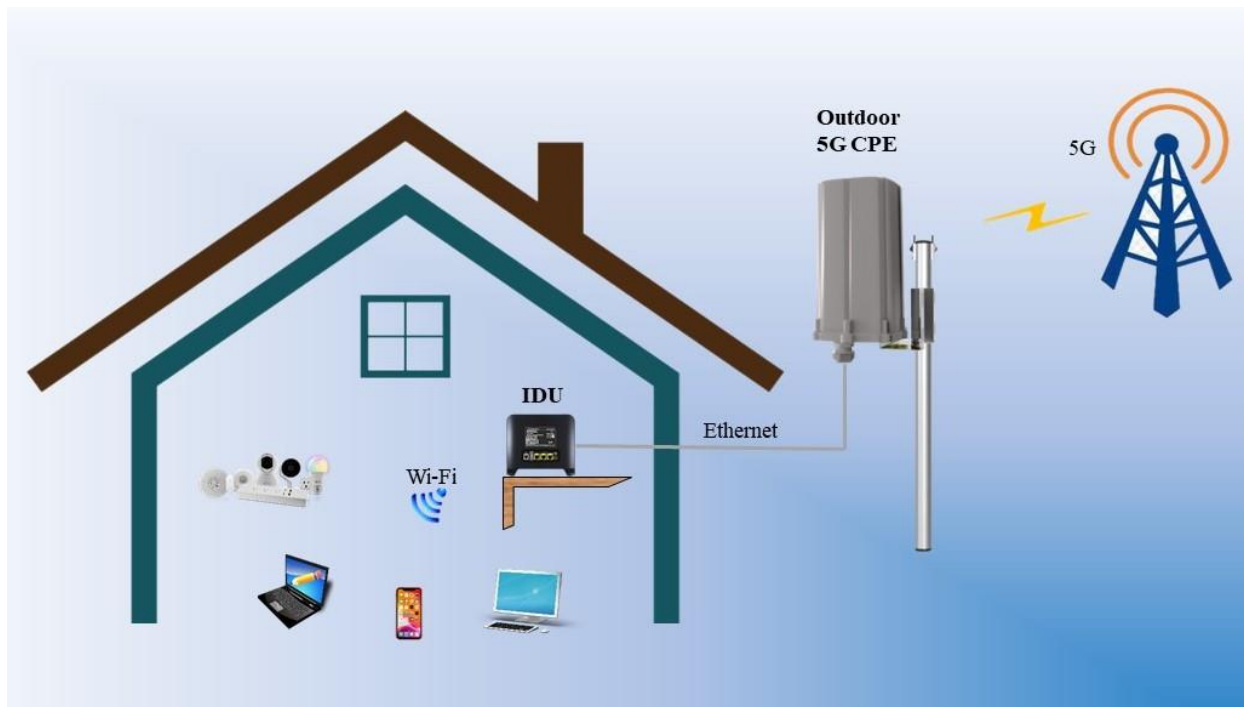


Wi-Fi 2.4G for O&M

■ 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 X62
Flash	16MB
RAM	2Gb DDR3
5G Standard	3GPP Release 16, Sub-6 GHz
5G Network Mode	NSA/SA
5G Data Rate	5G SA Transmission Speed: DL 2.4Gbps / UL 900Mbps 5G NSA Transmission Speed: DL 3.4Gbps / UL 550Mbps LTE: DL 1.6 Gbps, UL 200 Mbps (Note: Actual speed depends on operator network and environment)
5G Frequency Bands	NSA: n1/n2/n3/n5/n7/n8/n12/n13/n14/n18/n20/n25/n26/n28/n29/n30/n38/n40/n41/n48/n66/n71/n75/n76/n77/n78/n79 SA: n1/n2/n3/n5/n7/n8/n12/n13/n14/n18/n20/n25/n26/n28/n29/n30/n38/n40/n41/n48/n66/n71/n75/n76/n77/n78/n79
4G&3G Frequency Bands	LTE Category: Downlink Cat 19/ 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 WCDMA: B1/B2/B4/B5/B8/B19
CA	2CC, 3CC, 4CC, 5CC (CA combinations could be provided additionally)
EN-DC	1LTE+1NR, 2LTE+1NR, 3LTE+1NR, 4LTE+1NR, 5LTE+1NR, 1LTE+2NR, 2LTE+2NR, 2NR
TX Power	NR: 23 dBm ±2 dB (Class 3), 26 dBm ±2 dB (Class 2/HPUE Bands n38/n40/n41/n77/n78/n79) LTE: 23 dBm ±2 dB (Class 3), 26 dBm ±2 dB Cclass2/HPUE bands B38/B41/B42/B43)
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, 1A
Power Consumption	<24W
Environment	Operating Temperature: -20°C~+50°C Storage Temperature:-40°C~+70°C Humidity: 5%~95% (Non condensation)
Dimension	158x140x178.3mm
Weight	800g (excluding accessories and package), 1.8kg (including 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



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Hocell Information Technologies (Shenzhen) Co., Ltd.

For more information, please visit our official website: <https://www.hocell.com>

Or contact us directly by:

Email: account@hocell.com

Phone/WhatsApp: +86 18098988754

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