

Outdoor 5G CPE + Wi-Fi 6 AP

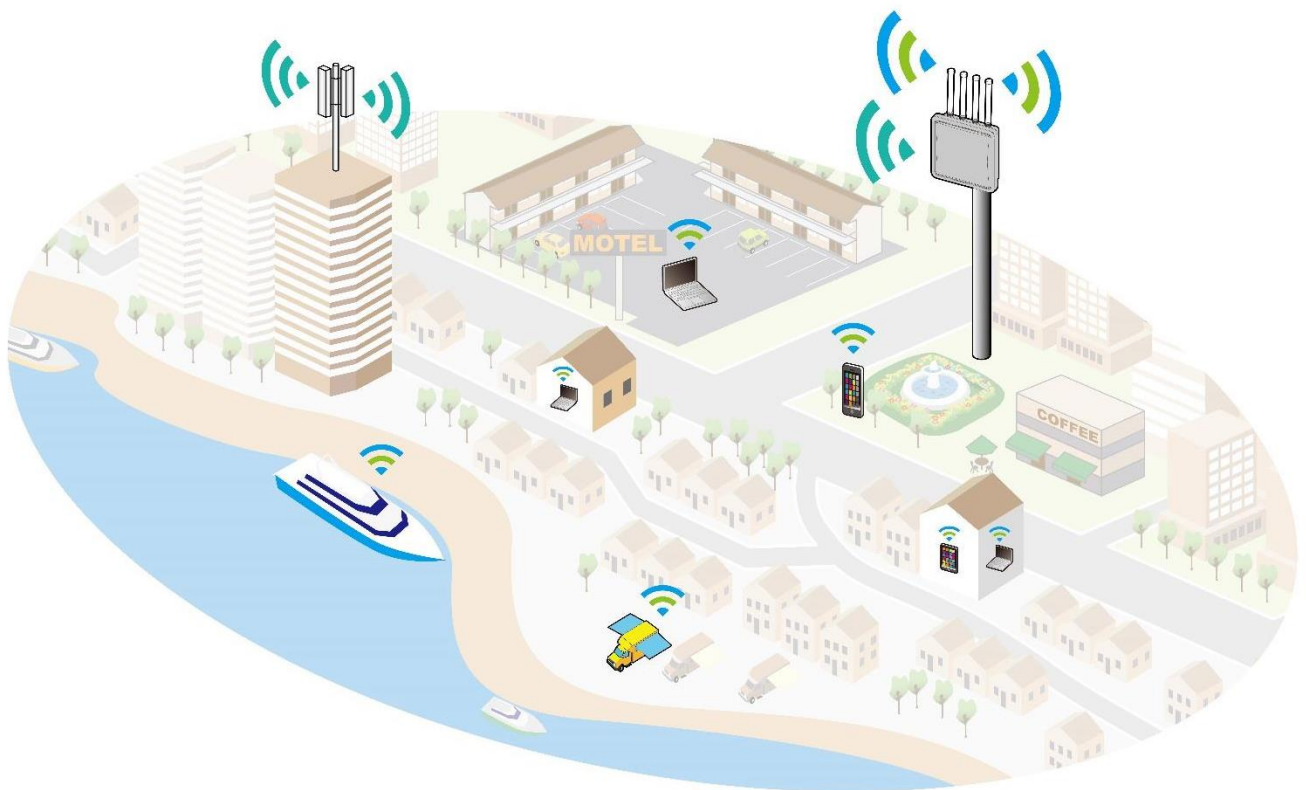
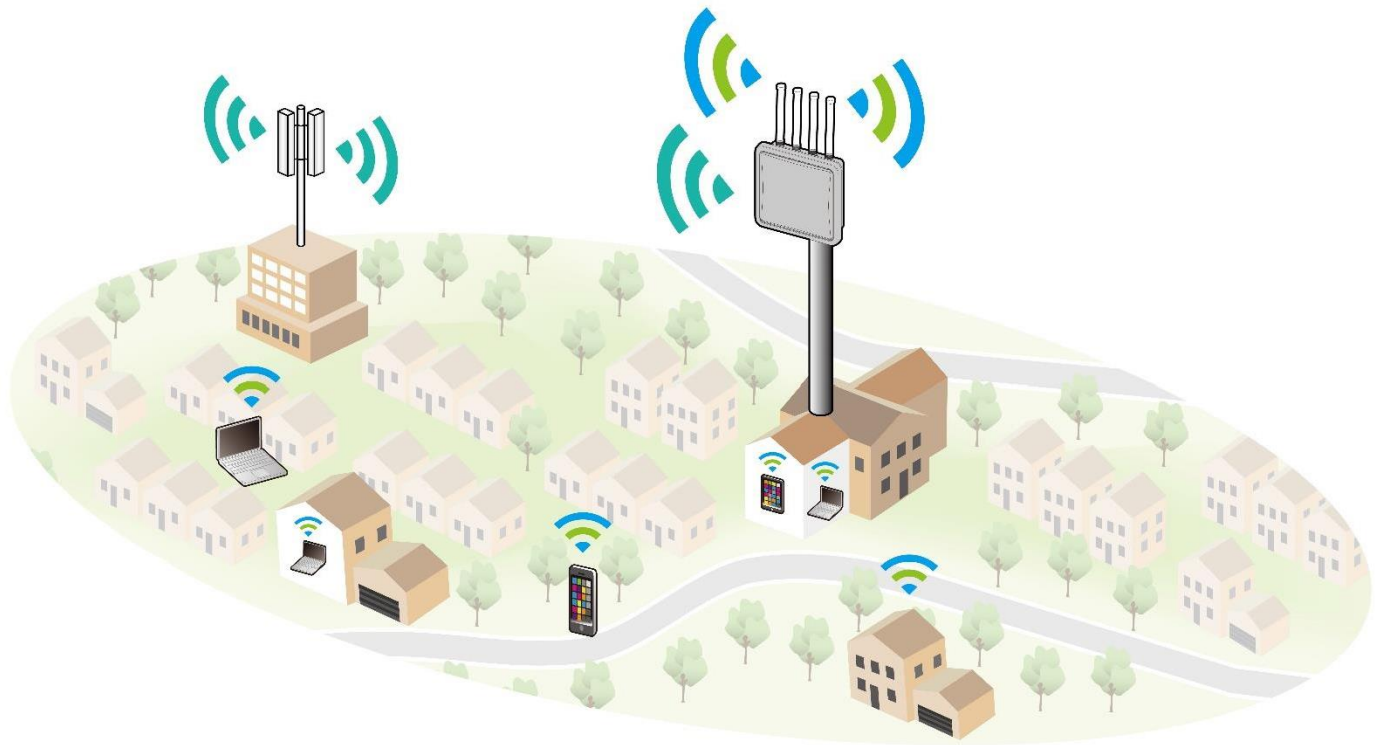


A new standard for outdoor connectivity, integrating a global band 5G NR CPE with a powerful Wi-Fi 6. It goes beyond the other 5G CPE only 5G- to-LAN offerings, delivering Wi-Fi 6 capabilities to broadcast high-speed internet to devices like laptops, smartphones, and tablets. For rural areas, using high-gain directional Wi-Fi antenna, bring robust long- range Wi-Fi connectivity that harnesses high-speed 5G internet even in the most remote locations.

Key features

- 1 Global 5G NR band
- 2 Wi-Fi 6 data rate up to 1800 Mbps
- 3 Nano SIM slot
- 4 2.5 Gbps PoE LAN
- 5 Built-in 5G high-gain directional antenna
- 6 External N-type Wi-Fi 6 antenna connector

Application Diagram



- Hardware General

Chipset	MT6890 SoC: Arm Cortex-A55 2GHz quad-core + 5G NR Wi-Fi 6: MT7915 + MT7975
Flash	128 Gb eMMC
RAM	16 Gb DDR4
5G NR Antenna	Built-in directional antenna 3 dBi @ 617 – 960 MHz 6 dBi @ 1452 – 1496 MHz 9 dBi @ 1710 – 2690 MHz 9 dBi @ 3300 – 5000 MHz 7 dBi @ 5150 – 5925 MHz
Wi-Fi 6 Antenna	4x N-type antenna connector * Package included 4x AOA-2458-46ACM
Interface	1x waterproof 2.5 Gbps PoE LAN 1x waterproof nano SIM slot 1x reset button 1x waterproof vent
Input Voltage	PoE: IEEE 802.3at PD 25.5 W
Power Consumption	Max. 24 W
Dimensions	230 x 230 x 77.3 mm (9 x 9 x 3 inches)
Operating Temperature	-30°C ~ 70°C (-22°F ~ 158°F)
Waterproof Rate	IP66
Material	ABS UV resistant plastic
Mounting Type	Pole mount

- 5G/4G Standard

5G NR	Supports most main features in 3GPP Release 15 3GPP EN-DC option 3/3A/3X 3GPP SA option 2 Support downlink/uplink 256 QAM Support downlink 4x4 MIMO and uplink 2x2 MIMO
5G NR Bands	N1/n2/n3/n5/n7/n8/n20/n28/n30/n38/n40/n41/n66/n71/ n77/n78/n79
LTE-FDD Bands	B1/B2/B3/B4/B5/B7/B8/B12/B13/B14/B17/B18/B19/B20/B25 /B26/B28/B29/B30/B32/B66
LTE-TDD Bands	B34/B38/B39/B40/B41/B42/B46/B48
WCDMA	B1/B2/B4/B5/B6/B11
Data Rate	Peak download speed: 4.7 Gbps Peak upload speed: 2.3 Gbps

* Option GNSS: GPS/Glonass/Beidou/Galileo

- Wi-Fi Standard

Standard	IEEE 802.11 a/b/g/n/ac/ax (W-Fi 6)
Frequency	2401 - 2483 MHz 5150 - 5835 MHz
Data Rate	2.4 GHz: 800 Mbps 5 GHz: 2402 Mbps
TX Power	2.4 GHz: 21 dBm 5GHz: 21 dBm
RX Sensitivity	2.4 GHz: -96 dBm 5 GHz: -80 dBm
Security	WEP, WPA, WPA2, WPA3
Advanced Feature	MU-MIMO, Beamforming, OFDMA