

LTE / 5G / CELLULAR CPE

5G TUBE

Compact outdoor cellular connectivity

Bring 5G and LTE access to professional sites with a compact outdoor CPE, an integrated high-gain antenna and Gigabit Ethernet.

5G and LTE access

Sub-6 GHz 5G SA/NSA and LTE Cat 12/13 support.

Integrated reception

Up to 10 dBi antenna gain in an IP65 enclosure.

Flexible network control

APN configuration, band/PCI lock and web management.



2.6 Gbps

5G NSA DOWNLINK¹

10 dBi

MAX. ANTENNA GAIN

GbE

ETHERNET

IP65

WEATHER PROTECTION

Cellular access for professional sites.

Cellular uplink

Connect the site to a supported operator network.

Network integration

Use the Ethernet interface to link the CPE to the local network.

Installation planning

Match the operator bands, antenna and mounting to the deployment.

¹ Cellular rates are theoretical maxima. Actual performance depends on operator coverage, supported bands, alignment and installation conditions.

TECHNICAL SPECIFICATIONS

5G TUBE

Radio & performance

Product type	Outdoor 5G / LTE CPE
Mobile networks	5G Sub-6 GHz · 4G LTE
Cellular standard	3GPP Release 15
LTE category	Cat 12 downlink · Cat 13 uplink
5G SA maximum rate	2 Gbps downlink · 1 Gbps uplink
5G NSA maximum rate	2.6 Gbps downlink · 650 Mbps uplink
LTE maximum rate	600 Mbps downlink · 150 Mbps uplink
Antenna gain	Up to 10 dBi
Antenna frequency	698-3,800 MHz
5G NSA bands	n1 / n3 / n7 / n38 / n40 / n41 / n77 / n78 / n79
5G SA bands	n1 / n3 / n5 / n7 / n8 / n20 / n28 / n38 / n40 / n41 / n71 / n77 / n78 / n79
5G downlink MIMO	4×4 on n1 / n3 / n7 / n38 / n40 / n41 / n77 / n78 / n79; 2×2 on n5 / n8 / n20 / n28 / n71
5G uplink MIMO	2×2 on n38 / n40 / n41 / n77 / n78 / n79
LTE FDD bands	B1 / B2 / B3 / B4 / B5 / B7 / B8 / B20 / B28A / B28B / B66
LTE TDD bands	B38 / B40 / B41
LTE MIMO	2×2 downlink

Hardware & power

Processor	UNISOC IVY510 · Dual Cortex-A55 at 1.35 GHz
Ethernet	1× GbE RJ45 · Auto MDI / MDIX
SIM	1 Micro SIM slot
USB	Type-C management interface
Built-in WiFi	None; connect an external indoor router
RAM	4 Gbit DDR3
Flash	2 Gbit
Power	802.3af/at PoE or 24-48 V passive PoE

Mechanical & environmental

Weather protection	IP65
Dimensions	184 × 225 mm
Weight	0.8 kg
Operating temperature	-20 to +50 °C
Storage temperature	-20 to +70 °C
Operating humidity	5-95%, non-condensing

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October 2026 / Refined edition

TECHNICAL SPECIFICATIONS / CONTINUED

5G TUBE

Networking & management

Network modes	Dynamic IP · Static IP · PPPoE
DHCP	Supported
APN configuration	Automatic and manual
Band / PCI lock	Supported
SMS / AT commands	Supported
VPN client	PPTP · L2TP
Network controls	Port mapping · MAC / IP filtering · DDNS
Management	Web interface · SNMPv1/v2 · TR-069
Maintenance	Configuration backup · Firmware upgrade · Reboot · Reset

Ordering information

Model	OWX-5G-I4O10-E10
Package contents	Available on request

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