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	10 dBi	GbE	IP65
5G NSA DOWNLINK[1]	MAX. ANTENNA GAIN	ETHERNET	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.

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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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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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