LTE / 5G / CELLULAR CPE

5G GRID

High-gain outdoor cellular connectivity

Bring 5G and LTE connectivity to remote sites with an integrated directional grid antenna, a Qualcomm Snapdragon X62 modem and a 2.5 Gigabit Ethernet interface.

Directional reception

Up to 22 dBi antenna gain with 4x4 MIMO.

5G and LTE access

Sub-6 GHz 5G SA/NSA and LTE Cat 19 support.

Outdoor deployment

IP65 construction with 24-48 V passive PoE input.



3.4 Gbps	22 dBi	2.5 GbE	IP65
5G NSA DOWNLINK[1]	MAX. ANTENNA GAIN	ETHERNET INTERFACE	WEATHER PROTECTION

Cellular access for sites beyond fixed networks.

Remote locations

Provide a cellular uplink to rural, industrial and temporary sites.

Antenna alignment

Aim the directional grid toward the serving cellular base station.

Network control

Configure the APN and select supported bands or a serving cell.

1. Theoretical cellular downlink maximum. Actual performance depends on network coverage, operator capacity, bands and installation conditions.

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TECHNICAL SPECIFICATIONS

5G GRID

Cellular & antenna

Chipset	Qualcomm Snapdragon X62 5G
Cellular standard	3GPP Release 16
Network technologies	5G Sub-6 GHz / LTE Cat 19
MIMO	4x4
5G SA maximum rates	DL 2.4 Gbps / UL 900 Mbps
5G NSA maximum rates	DL 3.4 Gbps / UL 550 Mbps
LTE maximum rates	DL 1.6 Gbps / UL 200 Mbps
Antenna	Integrated directional MIMO grid
Maximum antenna gain	22 dBi
Antenna frequency range	1,710-4,200 MHz

Supported bands

5G SA / NSA	n1 / n3 / n5 / n7 / n8 / n20 / n28 / n38 / n40 / n41 / n71 / n75 / n76 / n77 / n78
LTE FDD	B1 / B3 / B5 / B7 / B8 / B20 / B28 / B32 / B71
LTE TDD	B38 / B40 / B41 / B42 / B43
WCDMA	B1 / B5 / B8

Physical

Nominal size	60 cm
Weight	3.5 kg

Hardware & environment

Ethernet	1x 2.5 GbE RJ45
SIM	1x Micro SIM slot
Service interface	1x USB Type-C
Reset	Reset button
Power input	24-48 V passive PoE
Indicators	Power / System / Ethernet / SIM / 3 signal-strength LEDs
Mounting pole diameter	30-70 mm
Mechanical tilt	+15° to -15°
Weather protection	IP65
Operating temperature	-20 to +50 °C
Storage temperature	-20 to +70 °C
Operating humidity	5-95%, non-condensing

Configuration

Management	Web interface
Cellular settings	APN / band lock / PCI-cell lock / AT commands / SMS

Ordering information

Model	5G GRID
Package contents	Available on request

Band availability depends on the installed cellular module and region. The antenna frequency range is distinct from the modem band list; confirm the ordered configuration for the target operator.

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