PROFESSIONAL WIFI / FIXED WIRELESS

PANEL X25

High-capacity 4x4 MIMO bridge

A 25 dBi directional panel with 4x4 MIMO for high-capacity point-to-point backhaul.

Four spatial streams

WiFi 6 radio with 4x4 MIMO and a 25 dBi panel.

Multi-gigabit interfaces

2.5 GbE and Gigabit Ethernet connections.

Outdoor construction

IP67 enclosure and 8 kV surge suppression.



3.6 Gbps+	4x4	25 dBi	8 km+
THROUGHPUT[1]	MIMO	ANTENNA GAIN	LINK DISTANCE[1]

Infrastructure across your sites.

Remote buildings

Extend the network to a building with clear radio line of sight.

Network backhaul

Transport site traffic over a directional wireless link.

Flexible integration

Connect the radio to the local network through its documented interfaces.

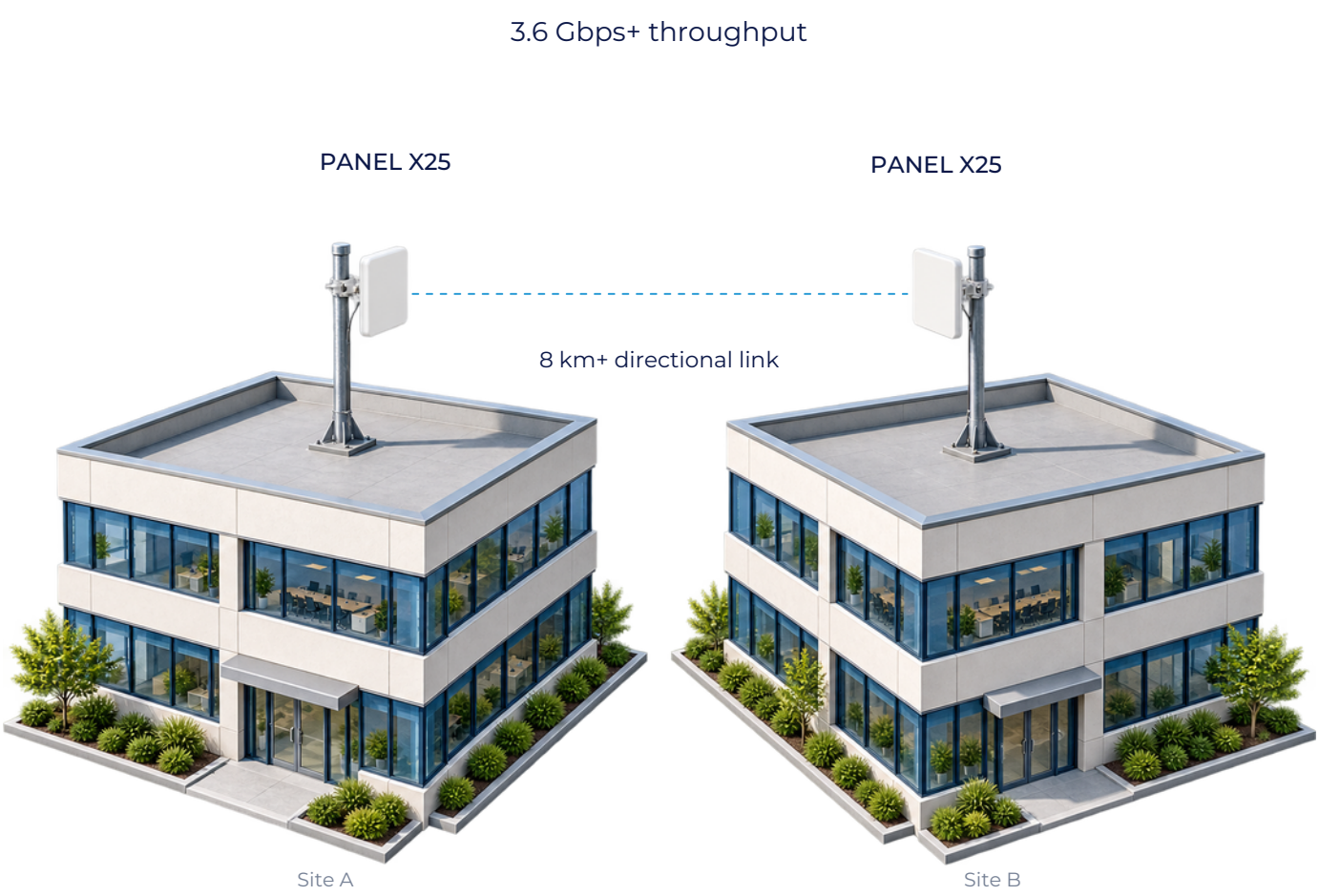
1. PHY rates are theoretical. Actual throughput and range depend on radio configuration, client equipment, line of sight and operating conditions.

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DEPLOYMENT / PANEL X25

Long distance. High throughput.

A dedicated point-to-point bridge between two professional sites.



Conceptual deployment · not to scale

4x4 MIMO

Four spatial streams support high-capacity point-to-point transport.

Directional antennas

25 dBi panels focus the link between the two sites.

Multi-gigabit network

Use the 2.5 GbE interface to integrate the bridge with the site network.

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TECHNICAL SPECIFICATIONS

PANEL X25

Radio & performance

Primary application	High-capacity PtP backhaul
Wireless technology	WiFi 6
Antenna	25 dBi panel
Spatial Diversity	4x4 MIMO
Throughput	3.6 Gbps+
Maximum PHY rate	4.804 Gbps
Link distance	8 km+
Operating frequency	5.1-5.9 GHz; country dependent
Channel width	20 / 40 / 80 / 160 MHz
Maximum transmit power	30 dBm
Polarization	Linear
Antenna beamwidth	11° horizontal · 11° vertical

Hardware & power

Network interfaces	2.5 GbE + GbE
Power	24-48 V passive PoE / DC 12-48 V
Maximum consumption	<18 W
Processor	Qualcomm IPQ5018
Surge suppression	8 kV

Mechanical & environmental

Weather protection	IP67
Operating temperature	-30 to +55°C
Weight	3 kg
Dimensions	400 × 300 × 45 mm (without bracket)
Mounting	Pole · 40-80 mm diameter

Networking & management

Wireless operating modes	AP WDS · Client WDS
Wireless security	WPA-PSK · WPA2-PSK · WPA/WPA2-PSK (AES / TKIP)
VLAN	IEEE 802.1Q
DHCP	Server · Client
Management	SNMP · TR-069

Ordering information

Model	PANEL X25
Package contents	Available on request

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