PROFESSIONAL WIFI / FIXED WIRELESS

LITE E20

WiFi 7 directional bridge and client

An integrated 20 dBi dish antenna for professional fixed links and remote-site connectivity.

Directional reach

20 dBi dish antenna with dual-linear polarization.

High-capacity connectivity

2x2 MIMO with 2.5 GbE and 2.5G SFP interfaces.

Outdoor installation

IP67 enclosure with PoE or 12 V DC power.



2.3 Gbps+	5.76 Gbps	20 dBi	IP67
THROUGHPUT[1]	MAX. PHY RATE[1]	DISH ANTENNA	WEATHER PROTECTION

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 / LITE E20

One sector. Multiple destinations.

SECTOR E90 connects a nearby LITE E20 and a more distant HD E30.



Conceptual deployment · not to scale. Link distance depends on the client configuration and site conditions.

Sector connection

Use LITE E20 as a directional client of the central sector radio.

Local network

Bring the remote Ethernet network onto the fixed wireless infrastructure.

Link alignment

Provide clear line of sight and align the client dish with the base station.

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TECHNICAL SPECIFICATIONS

LITE E20

Radio & performance

Primary application	PtP bridge / PtMP client
Wireless technology	WiFi 7
Antenna	20 dBi dish
Spatial Diversity	2x2 MIMO
Throughput	2.3 Gbps+
Maximum PHY rate	5.76 Gbps
Link distance	10 km+
Channel width	20 / 40 / 80 / 160 / 320 MHz
Variants	5 GHz or 6 GHz radio configuration
Operating frequency	5.15-6.425 GHz or 5.9-7.125 GHz, according to radio version
Maximum transmit power	26 dBm
Antenna frequency range	5.1-7.125 GHz
Polarization	Dual linear
Antenna beamwidth	30° horizontal · 30° vertical
Antenna material	Die-cast aluminum

Ordering information

Model	LITE E20
Package contents	Available on request

Hardware & power

Network interfaces	2.5 GbE + 2.5G SFP
Dish diameter	24 cm
Power	PoE / DC 12 V
Maximum consumption	<16 W
Processor	Qualcomm quad-core A53 · 1.1 GHz
Surge suppression	6 kV

Mechanical & environmental

Weather protection	IP67
Operating temperature	-30 to +60°C
Weight	1.5 kg

Networking & management

Network modes	Bridge · Router
Firewall	Port forwarding · DMZ · ACL filtering
Wireless security	WPA-PSK · WPA2-PSK · WPA/WPA2-PSK (AES / TKIP)
VLAN	IEEE 802.1Q
DHCP	Server · Client
Management	SNMP · TR-069

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October 2026 / Refined edition

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