PROFESSIONAL WIFI / FIXED WIRELESS

HD E30

High-gain WiFi 7 backhaul

A high-gain 30 dBi dish configuration for demanding point-to-point links reaching up to 30 km.

Focused long-range links

30 dBi dish antenna for demanding directional links.

Copper and optical uplinks

2.5 GbE RJ45 and 2.5G SFP connectivity.

Outdoor resilience

IP67 radio with 8 kV surge suppression.



30 dBi	2.3 Gbps+	5.76 Gbps	IP67
DISH ANTENNA	THROUGHPUT[1]	MAX. PHY RATE[1]	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 / HD E30

One sector. Multiple destinations.

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



Point-to-point across distant sites



30 km+ is an illustrative project target requiring a validated link budget. The published reference range is up to 30 km.

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TECHNICAL SPECIFICATIONS

HD E30

Radio & performance

Primary application	Long-range PtP backhaul
Wireless technology	WiFi 7
Antenna	30 dBi Dish
Spatial Diversity	2x2 MIMO
Throughput	2.3 Gbps+
Maximum PHY rate	5.76 Gbps
Link distance	Up to 30 km
Channel width	20 / 40 / 80 / 160 / 320 MHz
Variants	5 GHz or 6 GHz radio configuration
Operating frequency	5.18-6.415 GHz or 5.955-7.115 GHz, according to radio version
Maximum transmit power	27 dBm
Polarization	Dual linear

Mechanical & environmental

Weather protection	IP67
Operating temperature	-40 to +55°C (radio)
Radio dimensions	190 × 130 × 70 mm
Radio weight	1.5 kg
Mounting	Pole · 30-50 mm diameter

Hardware & power

Network interfaces	2.5 GbE + 2.5G SFP
Power	PoE 22-56 V / DC 12 V
Maximum consumption	<16 W
Processor	Qualcomm quad-core A53 · 1.1 GHz
Surge suppression	8 kV

Networking & management

Wireless operating modes	AP WDS · Client WDS
Network modes	Bridge · Router
Wireless security	WPA-PSK · WPA2-PSK · WPA/WPA2-PSK (AES / TKIP)
VLAN	IEEE 802.1Q
DHCP	Server · Client
Management	HTTP / HTTPS · SNMPv1/v2/v3 · TR-069 · SSH

Ordering information

Model	HD E30
Package contents	Available on request

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