

5 GHz high-end backhaul device

Radio specifications

Wireless technology	Proprietary W-Jet protocol, 2x2 MIMO
Operating mode	Point-to-point
Radio frequency band	5* GHz
Channel size	Configurable 20, 40 MHz
Max transmit power	23 dBm*
Modulation schemes	BPSK, QPSK, 16QAM, 64QAM
Receive sensitivity	Varying between -94 and -72 dBm depending on modulation and channel size
Error correction	FEC, Selective ARQ
Duplexing scheme	Dynamic time division duplex

Antenna

Type	2 N-Type connectors (LigoPTP 5-N-TH UNITY)
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Data Interface

Physical interface	2 x 10/100/1000 BaseT
Protocol	Ethernet IEEE 802.3
Connector type	RJ45
Surge protection	Built-in (IEC 61000-4-2 (ESD) and IEC 61000-4-5 (SURGE))

Link performance

Single link throughput	220 Mbps aggregate (110 Mbps full-duplex)
Bonded link throughput	400 Mbps aggregate (200 Mbps full-duplex)
Max packets per second	140,000
Packet latency	2 ms (64 bytes packet)
Recommended link distance**	More than 100 km (62,17 mi)

Security

Data encryption	Hardware based AES
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Physical

Dimensions (PTP 5-N UNITY-TH)	Width 218 mm (8.5 "), height 218 mm (8.5 "), depth 70 mm (2.7 ")
Dimensions (PTP 5-23 UNITY-TH)	Width 335 mm (13 "), height 335 mm (13 "), depth 90 mm (3.5 ")
Weight (PTP 5-N UNITY-TH)	2.1 kg (4.6 lb) (mount included)
Weight (PTP 5-23 UNITY-TH)	3.4 kg (7.5 lb) (mount included)
Power supply	48 VDC, active PoE (802.3af)
Power source	100 - 240 VAC via included adapter
Power consumption	12 W

Environmental

Operating temperature	-40°C (-40 F) - +65°C (+150 F)
Humidity	0 - 90 % (non-condensing)

Management

Installation assistant	OLED screen User-friendly web GUI, SSH CLI, SNMP v1/2c/3 with traps, centralized Remote
Management system	WNMS, WNMS Cloud

Regulatory

Ingress protection	FCC/IC/CE
RoHs	IP-67 Compliant

* For Thailand Country

** Link distance recommendation with an external antenna

