



LigoWave



LigoPTP 5-N RapidFire-TH LigoPTP 5-23 RapidFire-TH

Outdoor Wireless Point-to-Point Bridge

DATASHEET

Radio

Wireless protocol	W-Jet V
Radio mode	MIMO 2x2
Frequency range	5 GHz (5.150-5.250 GHz, 5.725-5.850 GHz)
Channel size	5, 10, 20, 40, 80 MHz
Modulation schemes	OFDM (256-QAM, 64-QAM, 16-QAM, QPSK, BPSK)
Data rates @ 80 MHz	866, 780, 650, 585, 520, 390, 260, 195, 130, 65 Mbps
Duplexing scheme	TDD
Error correction	BCC, LDPC

Antenna

LigoPTP 5-23 RapidFire	Integrated directional dual-pol 23 dBi panel
LigoPTP 5-N RapidFire	2 N-type connectors

Wired

First Interface	10/100/1000 Base-T with PoE IN (RJ45)
Second Interface	10/100/1000 Base-T with PoE OUT (RJ45)

Physical

Dimensions without mount:	
LigoPTP 5-23 RapidFire	Length 379 mm (14.9"), width 387 mm (15.2"), height 51 mm (2")
LigoPTP 5-N RapidFire	Length 399 mm (15.7"), width 174 mm (6.8"), height 47 mm (1.8")
Mount length till pole	124 mm (4.8")
Weight including mount :	
LigoPTP 5-23 RapidFire	3.9 kg (8.5 lb)
LigoPTP 5-N RapidFire	2.9 kg (6.3 lb)

Power

Power input method, voltage	PoE 802.3at, isolated 42 - 57 VDC
Power consumption (max)	8.6 W
Power output method, voltage	PoE 802.3af, 48 VDC, 12.95W maximum
PoE inserter and AC/DC adapter are included	

Environmental

Operating temperature	-40°C (-40 F) ~ +65°C (+149 F)
Humidity	0 ~ 90 % (non-condensing)

Software features

- Wizard for fast link setup
- Centralized control from master:
- Smart Auto-channel
- Robust data security
- QoS with hardware acceleration
- Spectrum analyzer
- Wireless signal and device state indication on RGB LEDs
- Dual firmware image

A) Common wireless link parameters; B) Individual slave parameters

Management

Dedicated 2.4 GHz radio for management

System monitoring

SNMP, GUI/HTTP(S), Shell/SSH and WNMS

System configuration

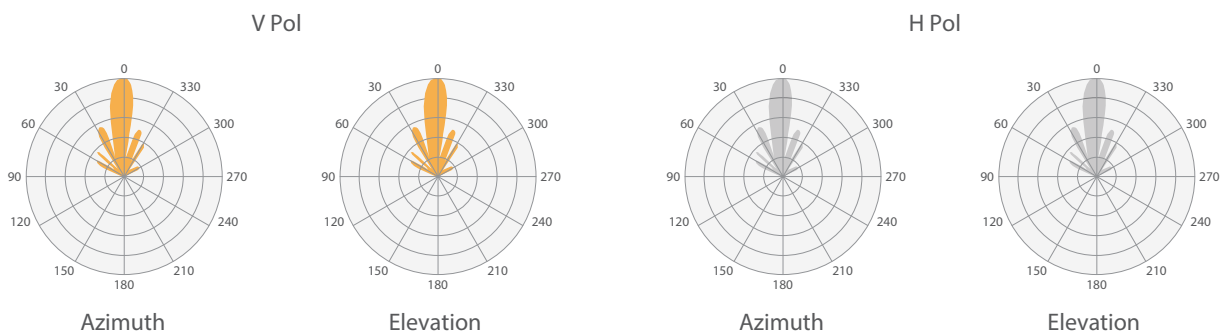
GUI/HTTP(S) and WNMS

Regulatory

Certification

FCC/IC/CE

Antenna specifications



Internal antenna

Frequency range	5 GHz
E.I.R.P	23 dB
Polarization	Dual linear
VSWR	1.5:1
Azimuth beamwidth (H pol)	6 deg
Azimuth beamwidth (V pol)	7 deg
Elevation beamwidth	9 deg

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