5P624

Outdoor Long Range Point-to-Point Radio Unit

The 5P624 is a point-to-point radio operating in 4.9-6GHz with integrated 24dBi antenna that provides a connectivity option where longer range is required.

The 5P624 is carrier-grade and features IP67 weather-sealing for reliable operation outdoors and in harsh environments.

High Capacity
Up to 1.2Gbps aggregate

Low Latency
<2.5ms average latency

Adjustable TDD Symmetry
Configurable downlink/uplink ratio options: 50/50, 25/75 and 75/25

Integrated Antenna
Integrated 24dBi panel antenna with dual linear polarization and low side lobe levels for improved interference mitigation

Well Connected
Built-in 2.5GbE RJ45 and 1GbE SFP ports

Long Range
Full capacity range up to 2km

Security
AES 256 encryption with automatic secure key distribution

Carrier-Grade
IP67 rated enclosure for reliable, long-term operation in the field

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Specifications

SYSTEM

Configuration	Point-to-Point
Frequency Range	4.90 – 6.06GHz (subject to local regulations)
Duplexing	TDD
Modulation	OFDM - BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM, 4096QAM
Antenna	Integrated, 24dBi, panel antenna with dual linear polarization 3dB azimuth beamwidth: 9˚ 3dB elev. beamwidth: 9˚
Maximum Output Power to Antenna	26dBm per chain (subject to local regulation)
Antenna Modes	MIMO 2x2, adaptive spatial multiplexing/diversity
Full Capacity Range	Up to 2km
Capacity	Up to 1.2 Gbps aggregate on 80 MHz channel
Ethernet Frame Type	Transparent bridging of all Ethernet types including VLAN
VLAN Support	802.1Q
Latency	<2.5ms average
L2 Bridge	Supported
Security	AES 256

MECHANICAL

Dimensions (H x W x D)	14.7" x 14.6" x 3.9" (373 x 370 x 98mm)
Weight	5.7 lbs (2.6 Kg)
Operating Temperature	-40° to +55°C
Ingress Protection	IP67
Regulatory	FCC, IC
Safety	UL/CSA-C22.2 62368-1, UL/CSA-C22.2 60950-22
EMC	USA: FCC 47CFR Part 15 Subpart B, Class B Canada: ICES-003, CISPR 32 Class B

CONNECTIVITY

Ethernet	1 x 2.5GbE RJ45
SFP	1 x 1Gbps
Voltage	42.5-57VDC
PoE input	802.3at
Power Consumption	30W maximum

MANAGEMENT

Management	Web GUI, and SNMP (v1, v3)

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