HLS 8652

HXI GigalinkLightSpeed™ 8652

- Speed of light latency
- High-Performance 1.25Gbps E-Band Radio Link
- For Light-licensed deployment
- Highest power with lowest latency in the industry
- Dual Band for optimal frequency planning flexibility

Millimeter Wave Performance	HLS 8652 Specifications
Frequency	71.0 to 76.0 and 81.0 to 86.0 GHz
RF Injection Power into Antenna Receive Sensitivity 10-12 BER Latency Back to Back	-1 version +15 to +18 dBm -2 version +18 to +21 dBm -3 version +21 to +24 dBm -64 dBm 4 nanoseconds
Antenna Type	24-in. parabolic, Slip Fit Clip On
Antenna Gain	51 dBi
3-dB Beam Width	0.40 degree
Interfaces	
Payload Interface	Gigabit Ethernet, 1000Base-SX, 850 nm, FC connector
Management	RJ-45 jack
Installation	10/100 BaseT, RJ-45 modular jack
Power	MIL-C-5015-type connector for 12- to 16-AWG three-conductor power cable
Management	
Installation Tools	Built-in web browser-based GUI and SNMP agent
Remote Monitoring	via SNMP or Web browser-based GUI, self-contained in radio

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Regulatory Compliance	
Electrical	UL - UL60950, EN-60950-1, IEC 609050-1
EMC	EN 55022, Emissions Class A, EN 301 489 Immunity
Laser Safety	CDRH - Class 1 (21 CFR 1040 per Laser Notice No. 50)
Power	
Input Voltage	-48 VDC nominal (-40 to -57 VDC)
Power Consumption	70W Max. 40 W operating typical
Maximum Input Current	1.5 Amps maximum at turn on, low temperature heater
Environmental & Mechanical	
Operating Temperature	-30°C to 60°C (-22°F to 140°F)
Storage Temperature	-30°C to 85°C (-22°F to 185°F)
Relative Humidity	Up to 95%, non-condensing
Transceiver H x W x D	25 x 25 x 14.7 in. (64.5 x 64.5 x 37.3 cm)
Transceiver Weight	22lbs (10 kg) with antenna and mount

OPTIONS

- Sighting scope, Picatinny rail attached to two foot antenna
- Payload: 1000 Base LX on request
- One and two foot antennas in any combination

HXI, Gigalink™ 8652 Specifications

- Range Performance: Please specify location and we will assist with range calculations for required availability

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