



HLS 8654

HXI GigalinkLightSpeed™ 8654

- Speed of light latency
- High-Performance 2.5 Gbps 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 8654 Specifications	
Frequency		71.0 to 76.0 and 81.0 to 86.0 GHz	
RF Injection Power into Antenna		-1 version +14 to +17 dBm -2 version +17 to +20 dBm -3 version +20 to +23 dBm	
Receive Sensitivity 10-12 BER Latency Back to Back		-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	125W Max. 75 W operating typical
Maximum Input Current	2.75 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	42 lbs (19 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™ 8654 Specifications

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