



HXI Gigalink LightSpeed™ 6651

- Speed of Light Latency
- High Performance 1.25 Gbps V-Band Radio Link
- For Unlicensed Deployment (60 GHz)
- Lowest Latency in the Industry

Millimeter Wave Performance		HLS 6651 Specifications	
Frequency	57.0 to 64.0 GHz		
RF Injection Power into Antenna	10 mW (+10 dBm)		
Receive Sensitivity 10 ⁻⁶ BER	-62 dBm		
Latency Back to Back	4 nanoseconds		
Antenna Type	1-foot or 2-foot parabolic, slip fit, clip-on type		
Antenna Gain	41 dBi for 1-foot antenna; 47 dBi for 2-foot antenna		
3-dB Beam Width	0.9 degrees for 1-foot antenna; 0.5 degrees for 2-foot antenna		
Interfaces			
Payload Interface	Gigabit Ethernet, 1000Base-SX, 850 nm, FC connector		
Management	RJ-45		
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		

*All specifications are subject to change without notice



HLS 6651

Electrical	
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. 40W operating typical
Maximum Input Current	1.5 Amps maximum at turn on, heaters for cold start
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	13 x 13 x 14.7 in. (33 x 33 x 37.3 cm)
Transceiver Weight	18 lbs (8 kg) including antenna and mount

OPTIONS

- AC-DC outdoor rated power supply
- Payload: 1000 Base LX FC connector, special order
- AutoPoint Positioner

HXI GigaLink LightSpeed™ 6651 Specifications

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