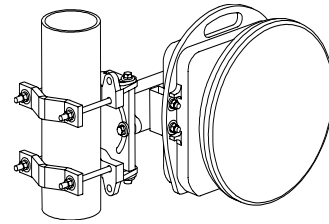


## HXI, Gigalink™ 6651 Specifications

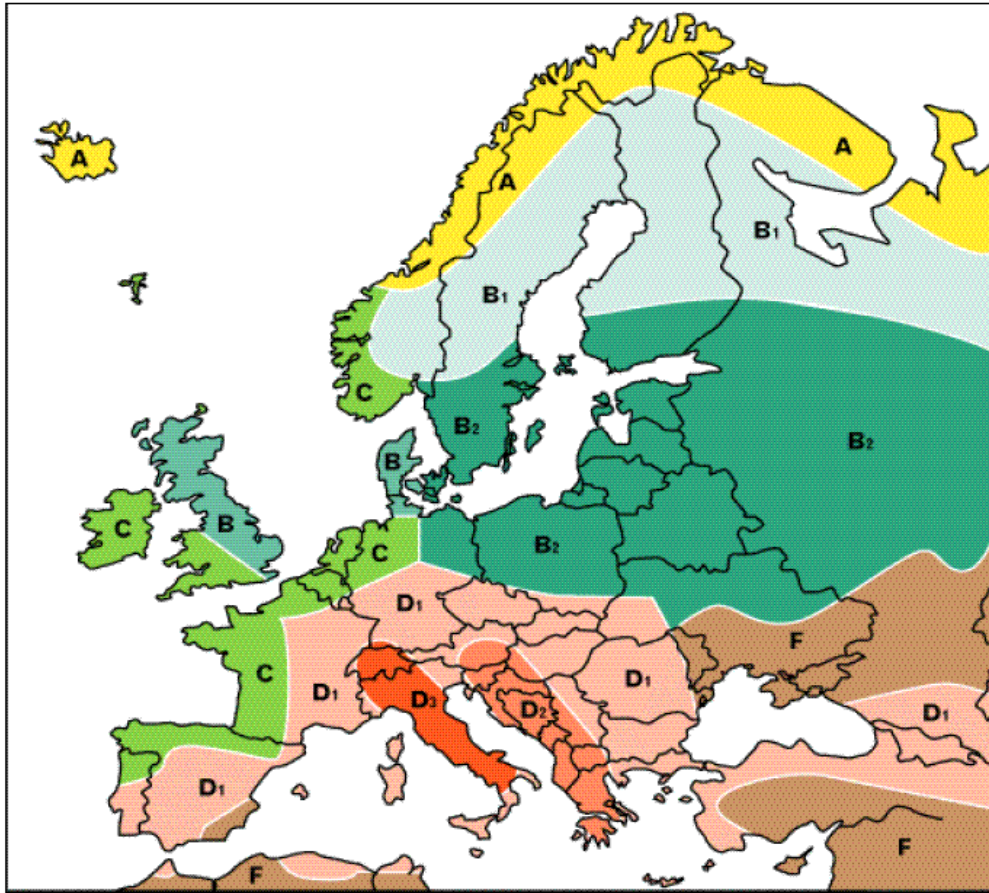
**High-Performance 1.25Gbps 60GHz Radio Link  
for Light-licensed deployment**



<b>Operating Range</b>		<b>6651</b>
Minimum to Maximum Distance		300 m to 1,142 m
<b>Millimeter Wave Performance</b>		<b>6651</b>
Frequency		57.0 to 64.0 GHz
RF Injection Power into Antenna		10mW (+10dBm)
Antenna Type		Integral 13-in. parabolic
Antenna Gain		41dBi Minimum
3-dB Beam Width		0.9 degree
<b>Interfaces</b>		
Payload Interface		Gigabit Ethernet, 1000Base-SX, 850 nm, FC connector
Management		100Base-FX, MMF, 1310 nm, FC connector
Installation		10Base-T, RJ-45 Modular (with adapter cable)
DC Power		MIL-C-5015-type connector for 14- to 18-AWG three-conductor power cable
<b>Management</b>		
Installation Tools		Laptop-based GUI software provided
Remote Monitoring		via SNMP V1 or PC Based GUI
<b>Regulatory Compliance</b>		
Spectrum Rules		REC (09)01))
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)
<b>Power</b>		
Input Voltage		-48 VDC nominal (-40 to -57 VDC)
Power Consumption		70W Max.
Maximum Input Current		1.5 Amps
<b>Environmental &amp; Mechanical</b>		
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		13.6 x 13.7 x 7.7 in. (34.5 x 34.8 x 19.6 cm)
Mount Lever Arm***		11 in. (28 cm)
Transceiver Weight		12 lbs (5.5 kg)

## HXI, Gigalink™ 6651 Specifications

Statistical Availability and range performance vs. region of operation



Model	SLA	A	B	B <sub>1</sub>	B <sub>2</sub>	C	D <sub>1</sub>	D <sub>2</sub>	D <sub>3</sub>	E	F	G	H
Gigalink 6651	Range 300- 1,142 meters clear air												
	99.90%	1,090	1,040	1,057	1,025	1007	970	914	840	751	1,040	767	627
	99.99%	970	862	903	829	859	748	683	632	558	833	549	430
	99.999%	790	650	700	610	588	679	520	488	437	625	420	N/A

Recommended ranges and statistical availabilities based on “Crane” Model calculations using published annual rain rates. Precision terminal alignment of +/- 0.45° is required to achieve predicted reliability at referenced ranges of operation.

HXI, LLC  
12 Lancaster County Road  
Harvard, MA 01451  
USA  
(978)772-7774, [www.hxi.com](http://www.hxi.com)