



Model 7186R

HXI Gigalink LightSpeed™ 7186R

- FCC Compliance Verification Tool
- Interference Identification for 71-76 GHz & 81-86 GHz
- Simultaneous Full-Band, Phase-Locked Downconversion
- Pointing and Link Verification Augmentation Receiver

Millimeter Wave Performance	7186R Specifications
Frequency Ranges	71.0 to 76.0 GHz and 81.0 to 86.0 GHz (in 2 channels)
IF Outputs (2)	1.0 to 6.0 GHz, outputs to user-provided spectrum analyzer
Net RF/IF Gain	80 dB typ
Noise Figure	8 dB typ
Antenna Type	Conical Feed with Radome
Antenna Gain	20 dBi typ
Antenna 3dB Beamwidth	20° typ
Interfaces	
IF Interface	Type N Female
Management	RJ45
Power	MIL-C-5015-type connector for 12 to 16 AWG, 3-conductor cable
Management	
Monitoring and Control	Built-in web browser-based GUI

HXI Gigalink LightSpeed™ 7186R cont'd



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Millimeter Wave Performance	7186R Specifications
Remote Monitoring	10/100 Ethernet
Regulatory Compliance	
Electrical EMC	UL - UL60950, EN-60950-1, IEC 609050-1 EN 55022, Emissions Class A, EN 301 489 Immunity
Power	
Input Voltage Power Consumption	-48 VDC nominal (-40 to -57 VDC) 30W Max., AC/DC power supply included
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

- Sighting scope
- One and two foot antennas for higher sensitivity/discrimination
- Low loss Type N cable
- Factory training

HXI Gigalink™ 7186R Specifications

- Easy mounting and setup
- Operating manual with step by step instructions

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