

EX-SFP-10GE-ER-HN

10GBASE-ER SFP+, 1550nm DFB, 40km, SMF

EX-SFP-10GE-ER Juniper Compatible 10Gbps XFP Transceiver

Features

- Supports SFP+ 10GBASE-ER at 10.31Gbps
- Transmission distance up to 40KM on SMF
- Hot-Swappable if your device supports
- Lifetime Warranty
- Plugs into SFP+ port
- LC duplex connector
- Compliant to SFP+ Electrical & Mechanical MSA
- 0°C to +70°C case operating temperature range
- 1550nm DFB Transmitter
- RoHS 6/6 compliant
- Built-in digital diagnostic functions
- Compliant with product safety standards



Product Overview

The Hummingbird Networks 100% Juniper Compatible EX-SFP-10GE-ER optical transceiver module is for transmission at 1550nm over single mode fiber. It supports Ethernet standards which make it ideally suited for 10G data communications. It offers customers a wide variety of 10 Gigabit Ethernet connectivity options for data center, enterprise wiring closet, switch-to-switch, and service provider transport applications. Its sub watt power consumption and its excellent EMI performance allow system design with high port density. Module is lead free, RoHS compliant and is designed and tested in accordance with industry safety standards. The Transceivers convert information from electrical to optical format, and back again, at standard data rates.

Ordering Information

Part No.	Dat <mark>a R</mark> ate	Laser	Fiber Type	Distance	Optical Interface	DDMI
EX-SFP-10GE-ER-	10GBASE-ER/	1550nm	SMF	40KM	ER	No
HN	10G Ethernet	DFB	SIVIE	+UKIVI	LK	INU

Optical Characteristics

Parameter	Symbol	Min.	Typical	Max	Unit	
9µm Core Diameter SMF			40		KM	
Data Rate			9.953/10.3125		Gbps	
Transmitter						
Centre Wavelength		1480	1550	1600	nm	
Spectral Width (-20dB)				1	nm	



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Receiver					
Centre Wavelength		1260		1600	nm
Sensitivity @ 10.3125Gbps	Pmin			-16	dBm
Receiver Overload	PMAX	0			dBm
LOS De-Assert	LOSD			-20	dBm
LOS Assert	LOSA	-30			dBm

Digital Optical Monitoring

Transceivers offer the ability to monitor important module parameters during operation. The temperature, supply voltage, laser bias current, optical transmitter power and receiver optical power parameters are continuously monitored for getting information about the module's current status. All data is calibrated internally; there is no need for external post processing.

Regulatory Compliance

The modules are designed to meet international requirements and standards in terms of product safety. The modules optical output power meets Class 1 requirements for laser safety.

Feature	Standard	Performance	
Electrostatic Discharge (ESD) to the Electrical Pins	MIL-STD-883E Method 3015.7	Class 1(>500 V)	
Electromagnetic Interference (EMI)	FCC Part 15 Class B	Compatible with standards	
Laser Eye Safety	FDA 21CFR 1040.10 and 1040.11 EN60950, EN (IEC) 60825-1,2	Compatible with Class I laser product. Compatible with TµV standards	
Component Recognition	UL and CUL	UL file E317337	
Green Products	RoHS	RoHS6	

Additional Information

For more information about our compatible modules, contact:

Hummingbird Networks

sales@hummingbirdnetworks.com

Tel: 1-866-551-3278

www.hummingbirdnetworks.com