

1550nm XENPAK Transceiver

MODEL: XENPAK-ER



Description

ZHT 10GbE XENPAK transceiver module XENPAK-ER is a hot pluggable in the Z-direction module that is usable in typical router line card applications, Storage, IP network and LAN and compliant to XENPAK MSA. The XENPAK-ER is a fully integrated 10.3Gbit/s optical transceiver module that consists of a 10.3Gbit/s optical transmitter and receiver. This version of transceiver line uses a 1550nm EA-DFB Laser Diode to achieve 40km over standard multi-mode fiber as specified by 10GBASE-ER in the IEEE 802.3ae standard.

Features

- Hot Z-pluggable
- XAUI Electrical Interface: 4lanse@3.125Gbit/s
- Below 4W power dissipation
- SC-Duplex Optical Receptacle
- Digital Diagnostic Monitor Interface
- Very low EMI and excellent ESD protection
- Cooled 1550nm EML laser and PIN ROSA
- Up to 40KM for single mode fiber
- Operating temperature range -40°C to 85°C

Applications:

- 10G BASE-XR/SW Ethernet
- Other optical links
- Standard
 - ❖ XENPAK MSA compliant
 - ❖ IEEE802.3ae-2002 compliant
 - ❖ GR-253-CORE compliant
 - ❖ RoHS compliant

Absolute Maximum

Parameter	Symbol	Min.	Max.	Unit
Storage Temperature	TS	-40	+85	°C
Case Temperature	TC	0	70	°C
Power Supply Voltage	Vcc3	0	4.0	V
	Vcc5	0	5.5	V
	Vccaps	0	1.5	V
Operating Relative Humidity	RH		85	%

Information Order

Part No.	Data Rate	Wavelength	Reach	TX	RX	Pout	s	Temperature	Others
XENPAK-ER	10G	1550nm	40KM	DFB	APD	-1~2dBm	-11.7dBm	0~70°C	DDM, 3.3V/5V;RoHS

Due to continuous improvement, all products specifications are subject to change without further notice.
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