

## 1310nm XENPAK Transceiver

**MODEL: XENPAK-LR**



### Description

ZHT 10GbE XENPAK transceiver module XENPAK-LR 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 -LR 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 1310nm EA-DFB Laser Diode to achieve 10km over standard multi-mode fiber as specified by 10GBASE-LR 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
- Uncooled 1310nm DFB laser and PIN ROSA
- Up to 10KM for single mode fiber
- Operating temperature range -40°C to 85°C

### Applications:

- 10G BASE-LR/LW 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-LR	10G	1310nm	10KM	DFB	550M	-8.2~-0.5dBm	-12.6dBm	0~70°C	DDM, 3.3V/5V;RoHS

Due to continuous improvement, all products specifications are subject to change without further notice.  
Contact us for custom requirements. E-mail: [Sales@zhtelecomm.com](mailto:Sales@zhtelecomm.com) Website: [www.zhtelecomm.com](http://www.zhtelecomm.com)  
Tel: +86-01081593787 Fax: +86-01081593789