

## 850nm XENPAK Transceiver

**MODEL: XENPAK-SR**



### Description

ZHT 10GbE XENPAK transceiver module XENPAK-SR 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-SR 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 850nm VCSEL Laser Diode to achieve 220 meters over standard multi-mode fiber as specified by 10GBASE-SR in the IEEE 802.3ae standard.

### Features

- Hot pluggable XENPAK MSA form factor XAUI Electrical Interface: Below 4W power dissipation
- SC-Duplex Optical Receptacle
- Digital Diagnostic Monitor Interface
- Very low EMI and excellent ESD protection
- Uncooled 850nm VCSEL laser
- Up to 220 meters for Multimode fiber
- Operating temperature range -40°C to 85°C

### Applications:

- 10G BASE-SR/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 Humidity	Relative RH		85	%

### Information Order

Part No.	Data Rate	Wavelength	Reach	TX	RX	Pout	s	Temperature	Others
XENPA K-SR	10G	850nm	300M	VCSEL	550M	-5~-1dBm	-11.1dBm	0~70°	DDM, 3.3V/5V;RoHS

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