

Product Brief 4 Channel Parallel QSFP Transceiver PXD40GVP2130



Features:

- Small form-factor, hot pluggable QSFP module
- Compliant with SFF-8436
- Independent transmitter (Tx) and receiver (Rx) sections, each with four fibers in parallel
- Support of various communication standards (see below)
- Maximum aggregate data rate: 45.2 Gbit/s (4 x 11.3 Gbit/s)
- Maximum throughput: 90.4 Gbit/s (Tx and Rx)
- Low power consumption: 1.3 W (typ.)
- I2C based two-wire serial interface for easy control and monitoring (management interface acc. SFF-8436)
- MergeOptics Parallel Optics Engine
- Support of MPO based multimode fiber interconnects
- Transmission distance up to 150m OM3 MMF
- Laser class 1M IEC / CDRH product
- RoHS 6/6 compliant

Applications:

- 4x QDR InfiniBand data transmission.
- 40G or 4x10G Ethernet data transmission
- 8.5 Gbit/s & 10.52 Gbit/s per channel Fibre Channel data transmission of up to 4 channels.

Supported Standards:

- SFF-8436 (SFF Committee QSFP document)
- QDR 10G InfiniBand
- IEEE P802.3ba (Ethernet)
- 8GFC & 10GFC (Fibre Channel)

Ordering Information

PXD40GVP2130

Part Number Coding Scheme

PX	D		40G		V		P		21		30	
Parallel TRX	Type		Data Rate		Source		Photodiode		Optical Standard		Electrical or MSA	
	D	Duplex	40	Gbit/s	V	VCSEL	P	PIN	21	- Infiniband™ 4xQDR - IEEE 802.3ba 40GBASE-SR4 - Quad Fibre Channel (8GB FC, 10GB FC)	30	QSFP

For module testing is an evaluation board available designed by MergeOptics GmbH.

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