

## Product Brief

### 12 Channel 850nm Parallel Active Optical Cable 120Gbit/s CXP – 3xQSFP ICD120GVP1420XYxx



#### Features:

- CXP transceiver at one end and three QSFP transceivers at the other end
- Full duplex 12ch optical transceivers on each end
- Reliable 850nm VCSEL Technology
- Support up to 10.3Gbit/s data rate per channel
- Compliant with IB-12x-DDR and IB-12x-QDR per InfiniBand Architecture Specification Volume 2 Release 1.21.
- Compliant with CXP and QSFP MSAs
- Hot-pluggable electrical interface
- Helix type 24-line multi-mode optical fibre cable of up to 50m to allow bending in any direction
- Fire-resistant OFNP (Optical Fibre Non-conductive Plenum) rated cable
- Supports Serial ID functionality with I2C Serial EPROM
- CXP transceiver supports Tx & Rx pre-emphases
- Low power consumption of CXP transceiver: 3W (Max)
- 0°C to +70°C case operating temperature range
- Laser Class 1 IEC / CDRH compliant
- RoHS 6/6 compliant

#### Applications:

- 12x DDR and 12x QDR Infiniband data transmission.
- 10Gbit/s per channel Ethernet data transmission of up to 12ch.
- 8Gbit/s per channel Fiber Channel data transmission of up to 12ch.

#### Supported Standards:

- 120 Gbit/s 12x Small Form-factor Pluggable (CXP) Rev 0.6
- QSFP MSA SFF8436

InfiniBand Architecture Specification Volume 2 Release 1.21.

## Ordering Information

CXP-3xQSFP 5m: ICD120GVP1420XY05  
 CXP-3xQSFP 10m: ICD120GVP1420XY10  
 CXP-3xQSFP 20m: ICD120GVP1420XY20  
 CXP-3xQSFP 50m: ICD120GVP1420XY50

### Part Number Coding Scheme

IC	D		120G		V		P		14		20		XY		10	
Inter-connect	Type		Data Rate		Source		Photodiode		Optical Standard		Electrical or MSA		Customer ID		Cable length	
	D	Duplex	120	120 Gbit/s	V	VCSEL	X	None	14	12x10Gbit/s per channel proprietary for AOC	20	tbd	XY	tbd	10	10m

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