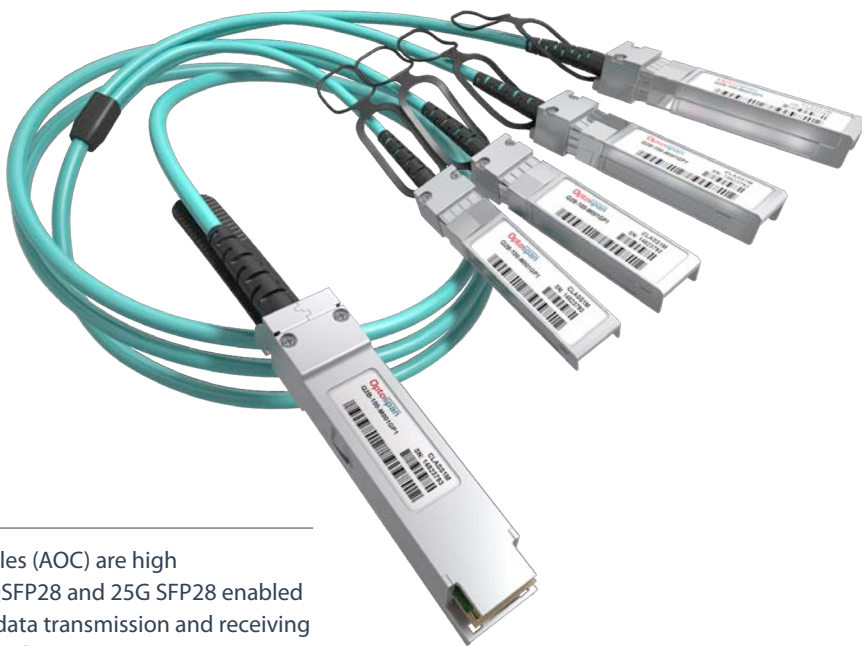


100G QSFP28 TO 4x 25G SFP28 BREAKOUT ACTIVE OPTICAL CABLE



OptoSpan QSFP28 to 4x SFP28 breakout Active Optical Cables (AOC) are high performance, cost-effective solutions for merging 100G QSFP28 and 25G SFP28 enabled host adapters, switches and servers. With 4 independent data transmission and receiving channels, OptoSpan AOCs achieve an aggregate data rate of 100Gbps over 100 meters transmission. The cables are designed with form factor, optical/electrical connection according to the QSFP28 and SFP28 Multi-Source Agreements (MSA).

FEATURES

- Premium Fire-retardant Plenum cable
- Electrical interface compliant to SFF-8436
- 850nm VCSEL laser and PIN photo-detector
- Maximum link length of 70m on OM3 MMF and 100m on OM4 MMF
- Digital diagnostics functions are available via the I2C interface
- Hot Pluggable

APPLICATIONS

- 40 Gigabit Ethernet
- 25GBASE-SR Ethernet
- Fibre Channel Applications
- InfiniBand QDR, SDR, DDR
- High-performance computing clusters

COMPATIBILITY

OEM	Example Part#
Mellanox	MFA7A50-C003
Finisar	FCBN510QE2C03
Generic	

OptoSpan 100G to 4X 25G Breakout Active Optical Cables support I2C serial interface, which can be used to identify the product and performance capabilities.

MAXIMUM RATINGS

Parameter	Typical Value
Number of Lanes	4 Tx & 4 Rx
Date Rate (each lane)	25.78 Gb/s
Maximum Aggregate Data Rate	103.12 Gb/s
Bit Error Ratio	E ⁻¹²
Interface	Serial, I2C-based (as defined by QSFP MSA)
Power Consumption	3.5W for QSFP28 terminal, 1.0W for each SFP28 terminal
Operation Temperature	0~+70 °C

Parameter	Symbol	Min	Max
Storage Temperature	T _{STG}	-20 °C	85 °C
Relative Humidity (non-condensation)	RH	0%	85%
Operating Case Temperature	Topc	0 °C	+70 °C
Supply Voltage	VCC	-0.3V	+3.6V



Specifications may change without notice. Display product photos shown are examples for viewing, not actual products.

