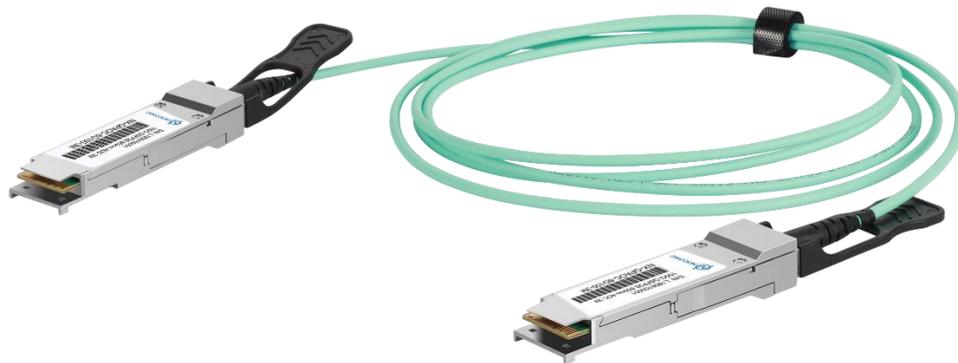# 100Gbps QSFP28 ACTIVE OPTICAL CABLE

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Four-channel full-duplex active optical cable / Reliable VCSEL technology using multimode fiber.

FEATURES

- ✓ 4 channels full-duplex transceiver modules
- ✓ 4 channels 850nm VCSEL array, 4 channels PIN photo detector array
- ✓ Transmission data rate up to 28.05Gbps per channel, 100Gbps total
- ✓ Maximum link length of 70m on OM3 MMF and 100m on OM4 MMF
- ✓ Hot Pluggable QSFP form factor, Single MPO connector receptacle
- ✓ Built-in digital diagnostic functions
- ✓ 3.3V power supply voltage; Low power consumption <3.5W
- ✓ Operating case temperature 0°C to +70°C
- ✓ RoHS 6 compliant (lead free)

APPLICATIONS

- ✓ IEEE 802.3bm 100GBASE SR4; Infiniband EDR; 128G Fibre Channel; 4x28Gb/s Multimode OTN

SPECIFICATIONS

Part Number	Package	Data Rate	Wavelength	Reach	TX	RX
NX-QPAOC-8G100-01-xx	QSFP28	100G	850nm	1m	VCSEL	PIN
NX-QPAOC-8G100-02-xx	QSFP28	100G	850nm	2m	VCSEL	PIN
NX-QPAOC-8G100-03-xx	QSFP28	100G	850nm	3m	VCSEL	PIN
NX-QPAOC-8G100-05-xx	QSFP28	100G	850nm	5m	VCSEL	PIN
NX-QPAOC-8G100-07-xx	QSFP28	100G	850nm	7m	VCSEL	PIN
NX-QPAOC-8G100-10-xx	QSFP28	100G	850nm	10m	VCSEL	PIN
NX-QPAOC-8G100-15-xx	QSFP28	100G	850nm	15m	VCSEL	PIN
NX-QPAOC-8G100-20-xx	QSFP28	100G	850nm	20m	VCSEL	PIN
NX-QPAOC-8G100-30-xx	QSFP28	100G	850nm	30m	VCSEL	PIN
NX-QPAOC-8G100-50-xx	QSFP28	100G	850nm	50m	VCSEL	PIN
NX-QPAOC-8G100-100-xx	QSFP28	100G	850nm	100m	VCSEL	PIN

ORDER INFORMATION

Part Number	Product Description
NX-QPAOC-8G100-01-xx	100Gbps QSFP28 Active Optical Cable 850nm 1m
NX-QPAOC-8G100-02-xx	100Gbps QSFP28 Active Optical Cable 850nm 2m
NX-QPAOC-8G100-03-xx	100Gbps QSFP28 Active Optical Cable 850nm 3m
NX-QPAOC-8G100-05-xx	100Gbps QSFP28 Active Optical Cable 850nm 5m
NX-QPAOC-8G100-07-xx	100Gbps QSFP28 Active Optical Cable 850nm 7m
NX-QPAOC-8G100-10-xx	100Gbps QSFP28 Active Optical Cable 850nm 10m

NX-QPAOC-8G100-15-xx	100Gbps QSFP28 Active Optical Cable 850nm 15m
NX-QPAOC-8G100-20-xx	100Gbps QSFP28 Active Optical Cable 850nm 20m
NX-QPAOC-8G100-30-xx	100Gbps QSFP28 Active Optical Cable 850nm 30m
NX-QPAOC-8G100-50-xx	100Gbps QSFP28 Active Optical Cable 850nm 50m
NX-QPAOC-8G100-100-xx	100Gbps QSFP28 Active Optical Cable 850nm 100m

Notes

1. *Where (01 = 1m, 02 = 2m, 10 = 10m etc.) denotes cable length in meters.*
2. *Where "xx" denotes compatibility short codes. (xx = CI for Cisco, xx = DL for DELL etc.)*
3. *Compatible Short codes are as follows:*

Short codes	*Value*		*Short codes*	*Value*
CI	*Cisco*		*HW*	*Huawei*
ML	*Mellanox*		*DK*	*D-Link*
MK	*Mikrotik*		*HC*	*H3C*
JP	*Juniper*		*CN*	*Ciena*
BR	*Brocade*		*EC*	*Edge-Core*
DL	*DELL*		*AL*	*Alcatel-Lucent*
FT	*Fortinet*			