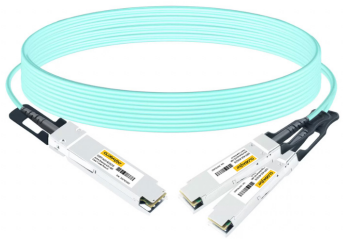
OSFP 400G to 2x200G QSFP56 AOC

OSFP to 2x QSFP56 · 400G to 2 × 200G · active optical cable (AOC) · 3m, 5m, 10m, 15m, 20m, 30m · NVIDIA compatible

The GLOBALfiber O400G-AOC2Q-R-NV is a 400G to 2 × 200G active optical cable (AOC) with OSFP to 2x QSFP56 connectors for NVIDIA InfiniBand networks. It is available in lengths of 3m, 5m, 10m, 15m, 20m, 30m and is coded for NVIDIA equipment with InfiniBand coding.



KEY FEATURES

- OSFP to 2x QSFP56
- 400G to 2 × 200G, 8 × 50G PAM4
- Multimode fiber
- Connector top: Flat (RHS)
- Power consumption OSFP end 10 W, QSFP56 end 5 W (max)
- Lengths 3m, 5m, 10m, 15m, 20m, 30m
- Hot-pluggable, 0 to +70 °C

APPLICATIONS & COMPATIBILITY

- NVIDIA switches: Quantum-2 QM9700/QM9790 (OSFP end)
- NVIDIA adapters / systems: ConnectX-6 HDR / ConnectX-6 Dx 200GbE / ConnectX-7 (QSFP56 end)
- Replaces NVIDIA MFA7U10-H003-FLT, MFA7U10-H005-FLT, MFA7U10-H010-FLT, MFA7U10-H015-FLT, MFA7U10-H020-FLT, MFA7U10-H030-FLT

KEY SPECIFICATIONS

Cable type	active optical cable (AOC)
Connectors	OSFP to 2x QSFP56
Data rate	400G to 2 × 200G
Lanes	8 × 50G PAM4
Conductor / fiber	Multimode fiber
Connector top	Flat (RHS)
Power consumption	OSFP end 10 W, QSFP56 end 5 W (max)
Min. bend radius	30 mm
Jacket	LSZH / OFNR
Operating temperature	0 to +70 °C
Management	CMIS 4.0 / SFF-8636
Protocol	InfiniBand (HDR / 200GbE)

ORDERING INFORMATION

GLOBALfiber item	Length	Coding	Replaces NVIDIA
O400G-AOC2Q3M-R-NVI	3m	IB InfiniBand	MFA7U10-H003-FLT
O400G-AOC2Q5M-R-NVI	5m	IB InfiniBand	MFA7U10-H005-FLT
O400G-AOC2Q10M-R-NVI	10m	IB InfiniBand	MFA7U10-H010-FLT
O400G-AOC2Q15M-R-NVI	15m	IB InfiniBand	MFA7U10-H015-FLT
O400G-AOC2Q20M-R-NVI	20m	IB InfiniBand	MFA7U10-H020-FLT
O400G-AOC2Q30M-R-NVI	30m	IB InfiniBand	MFA7U10-H030-FLT

Choose the coding that matches the host: InfiniBand for NVIDIA Quantum switches, Ethernet for NVIDIA Spectrum switches. Other lengths and coding on request: salg@globalfiber.no.

ENVIRONMENTAL

Operating temperature	0 to +70 °C
Storage temperature	-40 to +85 °C
Relative humidity	5 to 95 % (non-condensing)

COMPLIANCE

- OSFP MSA
- QSFP56 MSA
- SFF-8679
- IEEE 802.3cd
- RoHS compliant

INSTALLATION NOTES

- Check the connector top type (Flat (RHS)) against the host cages: finned top (IHS) for switch ports, flat top (RHS) for adapter and DGX ports.
- Confirm that both host ports support the selected protocol, port mode and coding.
- Observe the minimum bend radius of 30 mm and leave room for cable routing and airflow.
- Choose a length with sufficient routing margin; do not pull on the cable when removing — use the pull tab.

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