

Interconnect AI

Accelerating AI Network Deployment

Product Catalog 2024



Who Are We?

The advent of AI has accelerated the already breakneck pace of high-speed network development. With AI interconnects being up to ten times denser than traditional Data Center Interconnect, the industry as it stands cannot keep up with the increasing demand.

InterconnectAI was founded to help address these challenges. Providing interconnect manufacturers with additional support to build and develop the cables, transceivers, and NIC cards crucial to ensuring that different components of AI networks can operate smoothly and be deployed rapidly. InterconnectAI builds on strong foundations to ensure rigorously tested, high-quality products validated by world-leading test and measurement company, MultiLane.

An AI first company, InterconnectAI focuses on the highest speeds and latest technologies, but most InterconnectAI products can be used in the deployment of 100G to 800G Data Center Interconnect as well.

As a MENA-based company with offices in Lebanon, the UAE, and the KSA, InterconnectAI is set to fulfil the region's potential as a high-tech manufacturing hub, and offers an alternative for countries looking to diversify their supply chain.



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Optical Transceivers



800G QSFP-DD (SR8/DR8/LR8)

Model No.	Data Rate	Form Factor	Wavelength	Distance	Temp@	Min Receive Power	Interface
QSDX0050H401	800GBASE	QSFP-DD	850 nm	50 m	0-70C	-6.4dBm	MTP/MPO-16 APC
QSDC0500H401	800GBASE	QSFP-DD	1310 nm	500 m	0-70C	-5.9dBm	MTP/MPO-16 APC
QSDC0B10H401	800GBASE	QSFP-DD	1310 nm	10Km	0-70	-8.2dBm	MTP/MPO-16 APC

800G OSFP -(SR8/DR8/FR8/2xLR4/PLR8)

Model No.	Data Rate	Form Factor	Wavelength	Distance	Temp@	Min Receive Power	Interface
OSPX0050H401	800GBASE	OSFP	850 nm	50 m	0-70C	-6.4dBm	Dual MTP/MPO-12 APC
OSPC0500H401	800GBASE	OSFP	1310 nm	500 m	0-70C	-5.9dBm	Dual MTP/MPO-12 APC
OSPC0B02H401	800GBASE	OSFP	1310 nm	2 Km	0-70C	-7.2 dBm	Dual LC Duplex/UPC
OSPC0B10H401	800GBASE	OSFP	1310 nm	10 Km	0-70C	-9 dBm	Dual LC Duplex/UPC
OSPC0B10H401	800GBASE	OSFP	1310 nm	10 Km	0-70C	-8.2 dBm	MTP/MPO-16

400G OSFP- (SR8/DR4/FR4/LR4)

Model No.	Data Rate	Form Factor	Wavelength	Distance	Temp@	Min Receive Power	Interface
OSPX0100H101	400GBASE	OSFP	850 nm	100 m	0-70C	<-7 dBm	MTP/MPO-12
OSPC0500H101	400GBASE	OSFP	1310 nm	500 m	0-70C	< -4.4dBm	MTP/MPO-12
OSPC0B02H101	400GBASE	OSFP	1310 nm	2 Km	0-70C	<-7.3 dBm	LC Duplex
OSPC0B10H101	400GBASE	OSFP	1310 nm	10 Km	0-70C	<-7.7dBm	LC Duplex

400G QSFP-DD (SR4/DR4/FR4/LR4/ER4)

Model No.	Data Rate	Form Factor	Wavelength	Distance	Temp@	Rx Power	Interface
QSDX0100H101	400GBASE	QSFP-DD	850 nm	100 m	0-70C	-6.3~4dBm	MTP/MPO-12 APC
QSDC0500H101	400GBASE	QSFP-DD	1310 nm	500 m	0-70C	-5.9~4.0dBm	MTP/MPO-12 APC
QSDC0B02H101	400GBASE	QSFP-DD	1310 nm	2 Km	0-70C	6.4~3.5dBm	MTP/MPO-12 APC
QSDC0B10H101	400GBASE	QSFP-DD	1310 nm	10 Km	0-70C	-9.1~5.3dBm	Duplex LC UPC
QSDC0B40H101	400GBASE	QSFP-DD	1310 nm	40 Km	0-70C	-16.1~-3.4dBm	Duplex LC UPC

400G QSFP- (SR4/DR4/FR4/LR4)

Model No.	Data Rate	Form Factor	Wavelength	Distance	Temp@	Rx Power	Interface
Q12X0050H101	400GBASE	QSFP	850 nm	50 m	0-70C	-6.4~4dBm	MTP/MPO-12 APC
Q12C0500H101	400GBASE	QSFP	1310 nm	500 m	0-70C	-5.9~4.0dBm	MTP/MPO-12 APC
Q12C0B02H101	400GBASE	QSFP	1310 nm	2 Km	0-70C	-7.3~3.5dBm	Duplex LC UPC
Q12C0B10H101	400GBASE	QSFP	1310 nm	10 Km	0-70C	-6.8~4.4dBm	Duplex LC UPC

200G QSFP56 (SR4/FR4/LR4)

Model No.	Data Rate	Form Factor	Wavelength	Distance	Temp@	Min Receive Power	Interface
QSPX0100H001	200GBASE	QSFP56	850 nm	100 m	0-70C	<-6.5dBm	MTP/MPO-12 APC
QSPC0B02H001	200GBASE	QSFP56	1310 nm	2 Km	0-70C	< -8.2dBm	Duplex LC
QSPC0B10H001	200GBASE	QSFP56	1310 nm	10 Km	0-70C	<-9.7dBm	Duplex LC

100G QSFP28 (SR4/FR4/DR4/LR4/ER4/eER4/ZR4)

Model No.	Data Rate	Form Factor	Wavelength	Distance	Temp@	Min Receive Power	Interface
Q28X0100E001	100GBASE	QSFP28	850 nm	100 m	0-70C	-10.3dBm	MPO-12/UPC
Q28C0500E001	100GBASE	QSFP28	1310 nm	500 m	0-70C	-12.6dBm	MTP/MPO-12
Q28C0B02E001	100GBASE	QSFP28	1310 nm	2 Km	0-70C	-12.66dBm	MTP/MPO-12
Q28C0B10E001	100GBASE	QSFP28	1310nm	10km	0-70C	-10.6dBm	Duplex LC
Q28C0B40E001	100GBASE	QSFP28	1310nm	40km	0-70C	-20.9dBm	Duplex LC
Q28C0B60E001	100GBASE	QSFP28	1310nm	60km	0-70C	-30dBm	Duplex LC
Q28C0B80E001	100GBASE	QSFP28	1310nm	80Km	0-70C	-28dBm	Duplex LC

Cables

DAC



DACs are essential for in-rack connections in AI networks. Completely passive copper cables, DACs provide the lowest latency and lowest power connections between AI network components with a reach up to 3m in 800G applications. However, at the high speeds demanded of AI networking, DACs are only operational at very short ranges and need to be supplemented by active copper and optical solutions in multi-rack and cross data center setups data center setups

800G

800G OSFP to 800G OSFP Passive Direct Attach Copper Breakout Cable (1m/1.5m/2m/3m)

Model No.	Data Rate	Form Factor	Distance	Temp@	Cable Type	Wire AWG
OSP01001H400	800GBASE	OSFP to OSFP	1 m	0-70C	Passive Twinax	28AWG
OSP01A15H400	800GBASE	OSFP to OSFP	1.5 m	0-70C	Passive Twinax	28AWG
OSP01002H400	800GBASE	OSFP to OSFP	2 m	0-70C	Passive Twinax	28AWG
OSP01003H400	800GBASE	OSFP to OSFP	3 m	0-70C	Passive Twinax	28AWG

800G OSFP to 4 x 200G QSFP Passive Direct Attach Copper Breakout Cable (1m/1.5m/2m/3m)

Model No.	Data Rate	Form Factor	Distance	Temp@	Cable Type	Wire AWG
OSS04001H400	800GBASE	OSFP to 4x QSFP	1 m	0-70C	Passive Twinax	28AWG
OSS04A15H400	800GBASE	OSFP to 4x QSFP	1.5m	0-70C	Passive Twinax	28AWG
OSS04002H400	800GBASE	OSFP to 4x QSFP	2 m	0-70C	Passive Twinax	28AWG
OSS04003H400	800GBASE	OSFP to 4x QSFP	3 m	0-70C	Passive Twinax	28AWG

800G OSFP to 2 x 400G OSFP Passive Direct Attach Copper (1m/1.5m/2m/3m)

Model No.	Data Rate	Form Factor	Distance	Temp@	Cable Type	Wire AWG
OSP02001H400	800GBASE	OSFP to 2x 400G OSFP	1 m	0-70C	Passive Twinax	28AWG
OSP02A15H400	800GBASE	OSFP to 2x 400G OSFP	1.5 m	0-70C	Passive Twinax	28AWG
OSP02002H400	800GBASE	OSFP to 2x 400G OSFP	2 m	0-70C	Passive Twinax	28AWG
OSP02003H400	800GBASE	OSFP to 2x 400G OSFP	3 m	0-70C	Passive Twinax	28AWG

800G QSFP-DD to 800G QSFP-DD Passive Direct Attach Copper (1m/1.5m/2m/3m)

Model No.	Data Rate	Form Factor	Distance	Temp@	Cable Type	Wire AWG
QSD01001H400	800GBASE	QSFP-DD to QSFP-DD	1 m	0-70C	Passive Twinax	28AWG
QSD01A15H400	800GBASE	QSFP-DD to QSFP-DD	1.5 m	0-70C	Passive Twinax	28AWG
QSD01002H400	800GBASE	QSFP-DD to QSFP-DD	2 m	0-70C	Passive Twinax	28AWG
QSD01003H400	800GBASE	QSFP-DD to QSFP-DD	3 m	0-70C	Passive Twinax	28AWG

800G QSFP-DD to 4 x 200G QSFP Passive Direct Attach Copper (1m/1.5m/2m/3m)

Model No.	Data Rate	Form Factor	Distance	Temp@	Cable Type	Wire AWG
QSQ04001H400	800GBASE	QSFP-DD to 4X QSFP	1 m	0-70C	Passive Twinax	28AWG
QSQ04A15H400	800GBASE	QSFP-DD to 4X QSFP	1.5 m	0-70C	Passive Twinax	28AWG
QSQ04002H400	800GBASE	QSFP-DD to 4X QSFP	2 m	0-70C	Passive Twinax	28AWG
QSQ04003H400	800GBASE	QSFP-DD to 4X QSFP	3 m	0-70C	Passive Twinax	28AWG

400G

OSFP to OSFP 400G Passive Direct Attach Copper Breakout Cable (1m/1.5m/2m/3m)

Model No.	Data Rate	Form Factor	Distance	Temp [°]	Cable Type	Wire AWG
OSP01001H100	400GBASE	OSFP to OSFP	1 m	0-70C	Passive Twinax	30AWG
OSP01A15H100	400GBASE	OSFP to OSFP	1.5 m	0-70C	Passive Twinax	30AWG
OSP01002H100	400GBASE	OSFP to OSFP	2 m	0-70C	Passive Twinax	30AWG
OSP01003H100	400GBASE	OSFP to OSFP	3 m	0-70C	Passive Twinax	30AWG

400G OSFP to 4 x QSFP 400G Passive Direct Attach Copper Breakout Cable (1m/1.5m/2m/3m)

Model No.	Data Rate	Form Factor	Distance	Temp [°]	Cable Type	Wire AWG
OSS04001H100	400GBASE	OSFP to 4x QSFP	1 m	0-70C	Passive Twinax	30AWG
OSS04A15H100	400GBASE	OSFP to 4x QSFP	1.5 m	0-70C	Passive Twinax	30AWG
OSS04002H100	400GBASE	OSFP to 4x QSFP	2 m	0-70C	Passive Twinax	30AWG
OSS04003H100	400GBASE	OSFP to 4x QSFP	3 m	0-70C	Passive Twinax	30AWG

400G OSFP to 2 x 200G QSFP56 Passive Direct Attach Copper Breakout Cable (1m/1.5m/2m/3m)

Model No.	Data Rate	Form Factor	Distance	Temp [°]	Cable Type	Wire AWG
OSS02001H100	400GBASE	OSFP to 2x QSFP56	1 m	0-70C	Passive Twinax	30AWG
OSS02A15H100	400GBASE	OSFP to 2x QSFP56	1.5 m	0-70C	Passive Twinax	30AWG
OSS02002H100	400GBASE	OSFP to 2x QSFP56	2 m	0-70C	Passive Twinax	30AWG
OSS02003H100	400GBASE	OSFP to 2x QSFP56	3 m	0-70C	Passive Twinax	30AWG

400G QSFP-DD to 400G QSFP-DD Passive Direct Attach Copper Breakout Cable (1m/1.5m/2m/3m)

Model No.	Data Rate	Form Factor	Distance	Temp [°]	Cable Type	Wire AWG
QSD01001H100	400GBASE	QSFP-DD to QSFP-DD	1 m	0-70C	Passive Twinax	30AWG
QSD01A15H100	400GBASE	QSFP-DD to QSFP-DD	1.5 m	0-70C	Passive Twinax	30AWG
QSD01002H100	400GBASE	QSFP-DD to QSFP-DD	2 m	0-70C	Passive Twinax	30AWG
QSD01003H100	400GBASE	QSFP-DD to QSFP-DD	3 m	0-70C	Passive Twinax	30AWG

400G QSFP-DD to 2 x 200G QSFP-DD Passive Direct Attach Copper Breakout Cable (1m/1.5m/2m/3m)

Model No.	Data Rate	Form Factor	Distance	Temp [°]	Cable Type	Wire AWG
QSD02001H100	400GBASE	QSFP-DD to 2X QSFP-DD	1 m	0-70C	Passive Twinax	30AWG
QSD02A15H100	400GBASE	QSFP-DD to 2X QSFP-DD	1.5 m	0-70C	Passive Twinax	30AWG
QSD02002H100	400GBASE	QSFP-DD to 2X QSFP-DD	2 m	0-70C	Passive Twinax	30AWG
QSD02003H100	400GBASE	QSFP-DD to 2X QSFP-DD	3 m	0-70C	Passive Twinax	30AWG

200G

200G QSFP56 to 200G QSFP56 Passive Direct Attach Copper (1m/1.5m/2m/3m)

Model No.	Data Rate	Form Factor	Distance	Temp°C	Cable Type	Wire AWG
QSP01001H000	200GBASE	QSFP56 to QSFP56	1 m	0-70C	Passive Twinax	30AWG
QSP01A15H000	200GBASE	QSFP56 to QSFP56	1.5 m	0-70C	Passive Twinax	30AWG
QSP01002H000	200GBASE	QSFP56 to QSFP56	2 m	0-70C	Passive Twinax	30AWG
QSP01003H000	200GBASE	QSFP56 to QSFP56	3 m	0-70C	Passive Twinax	30AWG

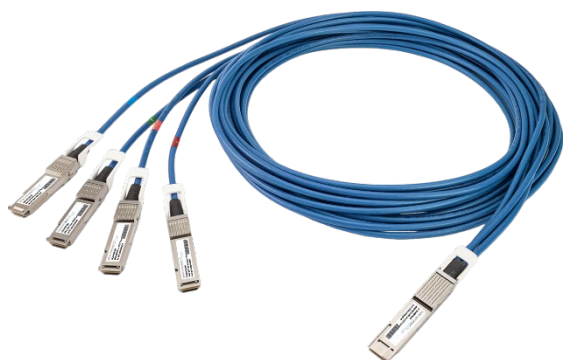
200G QSFP-DD to 2 x 100G QSFP28 Passive Direct Attach Copper (1m/1.5m/2m/3m)

Model No.	Data Rate	Form Factor	Distance	Temp°C	Cable Type	Wire AWG
QSQ02001H000	200GBASE	QSFP-DD to 2x QSFP28	1 m	0-70C	Passive Twinax	30AWG
QSQ02A15H000	200GBASE	QSFP-DD to 2x QSFP28	1.5 m	0-70C	Passive Twinax	30AWG
QSQ02003H000	200GBASE	QSFP-DD to 2x QSFP28	3 m	0-70C	Passive Twinax	30AWG

200G QSFP-DD to 8 x 25G SFP28 Passive Direct Attach Copper Breakout Cable (1m/1.5m/2m/3m)

Model No.	Data Rate	Form Factor	Distance	Temp°C	Cable Type	Wire AWG
QSF08001H000	200GBASE	QSFP-DD to 8x SFP28	1 m	0-70C	Passive Twinax	30AWG
QSF08A15H000	200GBASE	QSFP-DD to 8x SFP28	1.5 m	0-70C	Passive Twinax	30AWG
QSF08002H000	200GBASE	QSFP-DD to 8x SFP28	2 m	0-70C	Passive Twinax	30AWG
QSF08003H000	200GBASE	QSFP-DD to 8x SFP28	3 m	0-70C	Passive Twinax	30AWG

AEC



Our AEC solutions are designed to optimize thermal efficiency and performance with full **IHS** and **RHS compatibility** for effective heat management. Engineered for high-power applications, these cables are built to support **active air cooling** systems, ensuring stable operations in demanding data center environments. This design enhances longevity and reliability, even under continuous high-load conditions.

800G

800G OSFP to 800G OSFP Active Electrical Cable (3m/5m)

Model No.	Data Rate	Form Factor	Distance	Temp©	Cable Type	Wire AWG
OSPY1003H400C	800GBASE	OSFP to OSFP	3 m	0-70C	Active Twinax	30AWG
OSPY1005H400C	800GBASE	OSFP to OSFP	5 m	0-70C	Active Twinax	28AWG

800G QSFP-DD to 800G QSFP-DD Active Electrical Cable (3m/5m)

Model No.	Data Rate	Form Factor	Distance	Temp©	Cable Type	Wire AWG
QSDY1003H400C	800GBASE	QSFP-DD to QSFP-DD	3 m	0-70C	Active Twinax	30AWG
QSDY1005H400C	800GBASE	QSFP-DD to QSFP-DD	5 m	0-70C	Active Twinax	28AWG

800G OSFP to 800G QSFP-DD Active Electrical Cable (3m/5m)

Model No.	Data Rate	Form Factor	Distance	Temp©	Cable Type	Wire AWG
OSQY1003H401C	800GBASE	OSFP to QSFP-DD	3 m	0-70C	Active Twinax	30AWG
OSQY1005H401C	800GBASE	OSFP to QSFP-DD	5 m	0-70C	Active Twinax	28AWG

800G OSFP to 2 x 400G QSFP Active Electrical Cable (3m/5m)

Model No.	Data Rate	Form Factor	Distance	Temp©	Cable Type	Wire AWG
OSSY2003H400C	800GBASE	OSFP to 2x QSFP	3 m	0-70C	Active Twinax	30AWG
OSSY2005H400C	800GBASE	OSFP to 2x QSFP	5 m	0-70C	Active Twinax	28AWG

400G

400G OSFP to OSFP 400G Active Electrical Cable (3m/5m/7m)

Model No.	Data Rate	Form Factor	Distance	Temp©	Cable Type	Wire AWG
OSPY1003H100C	400GBASE	OSFP to OSFP	3 m	0-70C	Active Twinax	30AWG
OSPY1005H100C	400GBASE	OSFP to OSFP	5 m	0-70C	Active Twinax	30AWG
OSPY1007H100C	400GBASE	OSFP to OSFP	7 m	0-70C	Active Twinax	28AWG

400G QSFP-DD to 400G QSFP-DD Active Electrical cable (3m/5m/7m)

Model No.	Data Rate	Form Factor	Distance	Temp©	Cable Type	Wire AWG
QSDY1003H100C	400GBASE	QSFP-DD to QSFP-DD	3 m	0-70C	Active Twinax	30AWG
QSDY1005H100C	400GBASE	QSFP-DD to QSFP-DD	5 m	0-70C	Active Twinax	30AWG
QSDY1007H100C	400GBASE	QSFP-DD to QSFP-DD	7 m	0-70C	Active Twinax	28AWG

400G OSFP to 400G QSFP-DD Active Electrical cable (3m/5m/7m)

Model No.	Data Rate	Form Factor	Distance	Temp©	Cable Type	Wire AWG
OSQY1003H401C	400GBASE	OSFP to QSFP-DD	3 m	0-70C	Active Twinax	30AWG
OSQY1005H401C	400GBASE	OSFP to QSFP-DD	5 m	0-70C	Active Twinax	30AWG
OSQY1007H401C	400GBASE	OSFP to QSFP-DD	7 m	0-70C	Active Twinax	28AWG

400G OSFP to 2 x 200G QSFP56 Active Electrical cable (3m/5m/7m)

Model No.	Data Rate	Form Factor	Distance	Temp©	Cable Type	Wire AWG
OSSY2003H100C	400GBASE	OSFP to 2x QSFP56	3 m	0-70C	Active Twinax	30AWG
OSSY2005H100C	400GBASE	OSFP to 2x QSFP56	5 m	0-70C	Active Twinax	30AWG
OSSY2007H100C	400GBASE	OSFP to 2x QSFP56	7 m	0-70C	Active Twinax	28AWG

ACC



ACCs are twinax-based copper cables with active components - redrivers - that solve the challenge of low-power, low latency, medium range communication in data center/ AI networks. Designed for top-of-rack and close multi-rack connection, ACCs offer a cost-effective interconnect solution for 400-800G with a reach up to 3m in high speed applications

800G OSFP to OSFP 800G Active Copper Cable Breakout Cable (1m/2m/3 m/5m)

Model No.	Data Rate	Form Factor	Distance	Temp [°]	Cable Type	Wire AWG
OSPU1001H400	800GBASE	OSFP to OSFP	1m	0-70C	Active Twinax	26AWG
OSPU1002H400	800GBASE	OSFP to OSFP	2 m	0-70C	Active Twinax	26AWG
OSPU1003H400	800GBASE	OSFP to OSFP	3 m	0-70C	Active Twinax	26AWG
OSPU1005H400	800GBASE	OSFP to OSFP	5 m	0-70C	Active Twinax	26AWG

800G OSFP to 4x200G QSFP, Active Copper Cable (1m/2m/3m/5m)

Model No.	Data Rate	Form Factor	Distance	Temp [°]	Cable Type	Wire AWG
OSSU4001H400	800GBASE	OSFP to 4x QSFP	1 m	0-70C	Active Twinax	30AWG
OSSU4002H400	800GBASE	OSFP to 4xQSFP	2 m	0-70C	Active Twinax	30AWG
OSSU4003H400	800GBASE	OSFP to 4xQSFP	3 m	0-70C	Active Twinax	30AWG
OSSU4005H400	800GBASE	OSFP to 4xQSFP	5 m	0-70C	Active Twinax	30AWG

800G QSFP-DD to QSFP-DD Active Copper Cable (1m/2m/3m/5m)

Model No.	Data Rate	Form Factor	Distance	Temp [°]	Cable Type	Wire AWG
QSDU1001H400	800GBASE	QSFP-DD to QSFP-DD	1 m	0-70C	Active Twinax	28AWG
QSDU1002H400	800GBASE	QSFP-DD to QSFP-DD	2 m	0-70C	Active Twinax	28AWG
QSDU1003H400	800GBASE	QSFP-DD to QSFP-DD	3 m	0-70C	Active Twinax	28AWG
QSDU1005H400	800GBASE	QSFP-DD to QSFP-DD	5 m	0-70C	Active Twinax	28AWG

AOC



AOC solutions offer a novel approach to high-speed data transmission. These active optical cables combine the benefits of transceivers and optical fibers into a single package. AOCs are available in various lengths and support data rates of 100-800G, making them suitable for short-range and high-performance applications. They eliminate the need for separate transceiver modules, reducing power consumption and simplifying installation. AOCs are an excellent choice for scenarios where rapid deployment and reliable connectivity are critical.

800 G

800G-QSFP-DD to 800G QSFP-DD, Active Optical Cable (1m/2m/3m/5m/15m/30m)

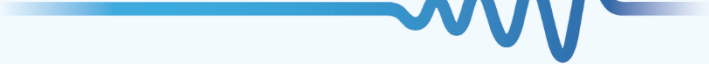
Model No.	Data Rate	Form Factor	Distance	Temp ^o	Cable Type
AOCU1001H400	800GBASE	QSFP-DD to QSFP-DD	1 m	0-70C	Multimode Fiber
AOCU1002H400	800GBASE	QSFP-DD to QSFP-DD	2 m	0-70C	Multimode Fiber
AOCU1002H400	800GBASE	QSFP-DD to QSFP-DD	3 m	0-70C	Multimode Fiber
AOCU1005H400	800GBASE	QSFP-DD to QSFP-DD	5 m	0-70C	Multimode Fiber
AOCU1015H400	800GBASE	QSFP-DD to QSFP-DD	15 m	0-70C	Multimode Fiber
AOCU1030H400	800GBASE	QSFP-DD to QSFP-DD	30 m	0-70C	Multimode Fiber

400G

400G QSFP to 400G QSFP AOC Cables (3m/10m/60m)

Model No.	Data Rate	Form Factor	Distance	Temp ^o	Cable Type
AOCU1003H100	400GBASE	QSFP to QSFP	3 m	0-70C	Multimode Fiber
AOCU1010H100	400GBASE	QSFP to QSFP	10 m	0-70C	Multimode Fiber
AOCU1060H100	400GBASE	QSFP to QSFP	60 m	0-70C	Multimode Fiber

Interconnect AI

A blue graphic element consisting of a horizontal line that transitions into a series of three peaks and valleys, resembling a heartbeat or a signal waveform, extending to the right.

Contact Us:

info@interconnect-ai.com

www.interconnect-ai.com

