AOC 100GB QSFP28 4x25GB SFP28

Fibernet's AOC 100GB QSFP28 4x25GB SFP28 is a Four-Channel, Pluggable, Parallel, Fiber-Optic QSFP28 Active Optical Cable (AOC) to 4× SFP28 Active Optical Cable break-out solution. This Breakout cable is intended for 100G to 4×25G applications.
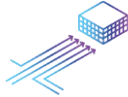
This AOC is a high performance cable for short-range multi-lane data communication and interconnect applications. It integrates four data lanes in each direction with 100 Gbps aggregate bandwidth. Each lane can operate at 25 Gbps. The Maximum link length is 70m for OM3 MMF and 100m for OM4 MMF.

Applications:

Data Centers

Storage Area Networks (SAN)

Communications Rooms

Examples:

- 40GbE and 10GbE break-out applications for Datacom switch and router connections
- InfiniBand QDR, SDR, DDR
- Servers, switches, storage and host card adapters

Features:

- Electrical interface compliant to SFF-8436 and SFF-8431
- 850nm VCSEL laser and PIN photo-detector
- Maximum link length of 70m for OM3 MMF and 100m for OM4 MMF
- Digital diagnostics functions are available via the I2C interface
- Compatible with Intel servers / Dell servers and Juniper switches
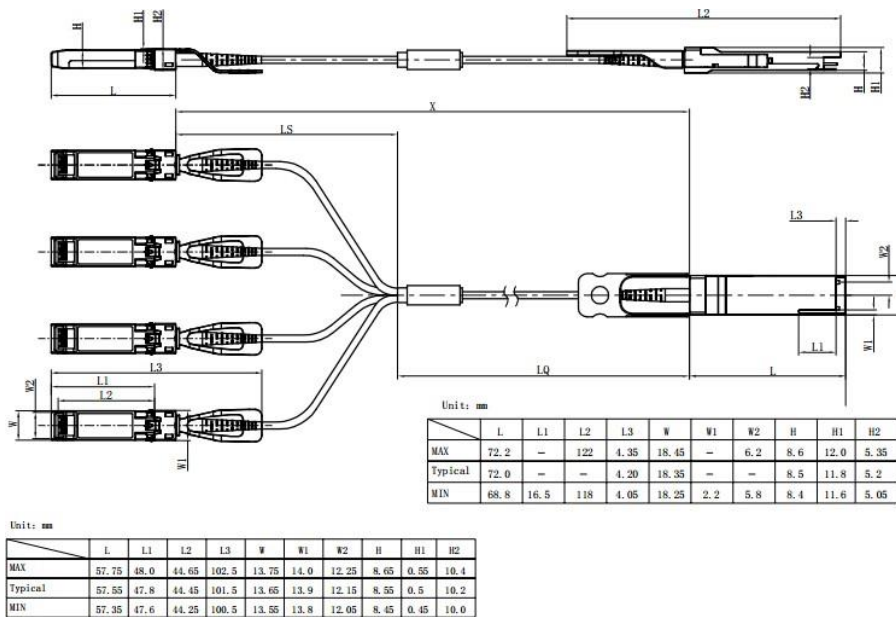
Benefits:

- Easy installation
- Multiple vendors compatible
- High performance results
- RoHS compliant
- Hot Pluggable

Product Characteristics:

Parameter	Description
Tight buffer color	Turquois
Tight buffer material	PVC
Fiber type	50/125 (OFS)
Bandwidth	1500Mhz (850nm), 500Mhz (1300nm)
Jacket material	PVC
Cable weight	7.0 Kg/km
Min. bending radius mm	30
Attenuation dB/km	≤ 3.5 at 850 nm ≤ 1.5 at 1300 nm
Operation temperature ° C	-20~70
QSFP28 Power Consumption	1.8W
SFP28 Power Consumption	0.45W

Mechanical Specifications:

Unit: mm

	L	L1	L2	L3	W	W1	W2	H	H1	H2
MAX	72.2	—	122	4.35	18.45	—	6.2	8.6	12.0	5.35
Typical	72.0	—	—	4.20	18.35	—	—	8.5	11.8	5.2
MIN	68.8	16.5	118	4.05	18.25	2.2	5.8	8.4	11.6	5.05

Unit: mm

	L	L1	L2	L3	W	W1	W2	H	H1	H2
MAX	57.75	48.0	44.65	102.5	13.75	14.0	12.25	8.65	0.55	10.4
Typical	57.55	47.8	44.45	101.5	13.65	13.9	12.15	8.55	0.5	10.2
MIN	57.35	47.6	44.25	100.5	13.55	13.8	12.05	8.45	0.45	10.0

Ordering information:

Part Number	Description
Q-AOC-100GB-4x25GB-XXM	ACTIVE OPTICE CABLE 40GBPS4x30GB JUNIPER DELL XXXM

XX stands for AOC length in meters (example: XX=03 for 3M)