

40Gbps QSFP+ – 4x10G SFP+ ACTIVE OPTICAL CABLE



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Compliant to the 40GBASE-SR4 and XLPPI/Specification per IEEE 802.3ba-2010 and supporting/40G-IB-QDR / 20G-IB-DDR / 10G-IB-SDR applications.

FEATURES

- ✓ QSFP+ AOC end: as follows
- ✓ Each 4×SFP+ end: as follows
- ✓ Active Optical Cable Assembly: as follow

APPLICATIONS

- ✓ 40GbE and 10GbE break-out applications for Datacom switch and router connections
- ✓ 40G to 4×10G density applications for Datacom and Proprietary protocol applications
- ✓ Datacenter

SPECIFICATIONS

Part Number	Package	Data Rate	Wavelength	Reach	TX	RX
NX-QFAOC-8G4010-01-xx	QSFP+	40G-4X10G	850nm	1m	VCSEL	PIN
NX-QFAOC-8G4010-02-xx	QSFP+	40G-4X10G	850nm	2m	VCSEL	PIN
NX-QFAOC-8G4010-03-xx	QSFP+	40G-4X10G	850nm	3m	VCSEL	PIN
NX-QFAOC-8G4010-05-xx	QSFP+	40G-4X10G	850nm	5m	VCSEL	PIN
NX-QFAOC-8G4010-10-xx	QSFP+	40G-4X10G	850nm	10m	VCSEL	PIN
NX-QFAOC-8G4010-15-xx	QSFP+	40G-4X10G	850nm	15m	VCSEL	PIN
NX-QFAOC-8G4010-20-xx	QSFP+	40G-4X10G	850nm	20m	VCSEL	PIN
NX-QFAOC-8G4010-30-xx	QSFP+	40G-4X10G	850nm	30m	VCSEL	PIN
NX-QFAOC-8G4010-50-xx	QSFP+	40G-4X10G	850nm	50m	VCSEL	PIN
NX-QFAOC-8G4010-100-xx	QSFP+	40G-4X10G	850nm	100m	VCSEL	PIN

ORDER INFORMATION

Part Number	Product Description
NX-QFAOC-8G4010-01-xx	40Gbps QSFP+ – 4x10G SFP+ Active Optical Cable 850nm 1m
NX-QFAOC-8G4010-02-xx	40Gbps QSFP+ – 4x10G SFP+ Active Optical Cable 850nm 2m
NX-QFAOC-8G4010-03-xx	40Gbps QSFP+ – 4x10G SFP+ Active Optical Cable 850nm 3m
NX-QFAOC-8G4010-05-xx	40Gbps QSFP+ – 4x10G SFP+ Active Optical Cable 850nm 5m
NX-QFAOC-8G4010-10-xx	40Gbps QSFP+ – 4x10G SFP+ Active Optical Cable 850nm 10m
NX-QFAOC-8G4010-15-xx	40Gbps QSFP+ – 4x10G SFP+ Active Optical Cable 850nm 15m
NX-QFAOC-8G4010-20-xx	40Gbps QSFP+ – 4x10G SFP+ Active Optical Cable 850nm 20m
NX-QFAOC-8G4010-30-xx	40Gbps QSFP+ – 4x10G SFP+ Active Optical Cable 850nm 30m

NX-QFAOC-8G4010-50-xx	40Gbps QSFP+ – 4x10G SFP+ Active Optical Cable 850nm 50m
NX-QFAOC-8G4010-100-xx	40Gbps QSFP+ – 4x10G SFP+ 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			

QSFP+ AOC end

Power Level 1: Max Power < 1.5 W

Operate at 10.3125 Gbps per channel with

Compliant to the 40GBASE-SR4 and XLPI

Compliant to the industry standard SFF-8436

Each 4xSFP+ end

Compliant to the electrical specifications per SFF-8431 Specifications for Enhanced Small Form Factor Pluggable Module

Mechanical specifications per SFF Committee SFF-8432 Improved Pluggable Form factor "IPF"

Maximum power dissipation 0.35W per end

Active Optical Cable Assembly

Proven High Reliability 850 nm technology: VCSEL transmitter and PIN receiver

Commercial operating case temperature range: 0oC to 70oC

RoHS-6 Compliant

Hot pluggable for ease of servicing and installation

Two Wire Serial interface

Utilizes optical fiber for high density and thin, lightweight cable management