

SFP+ (10G) AOC Cable

SKU#: ECX-SFP-AOC-XX-XXM

The Enconnex Active Optical Cable (AOC) cable offers customers a high-performance, low cost, less power consumption, and low latency connectivity option. This SFP+ supports data rates of up to 10G. Each AOC cable is fully tested for compatibility and are MSA (Multi Source Agreement) compliant.

PRODUCT APPLICATIONS

- 10GBASE-SR at 10.31Gbps
- InfiniBand QDR, SDR, DDR
- Other optical links

PRODUCT FEATURES

- Support 10GBASE-SR/10G Fiber Channel application
- Compliant to SFP+ Electrical MSA SFF-8431
- Compliant to SFP+ Mechanical MSA SFF-8432
- Multi-rate of up to 11.3Gbps
- Transmission distance up to 100m (OM3)
- +3.3V single power supply
- Low power consumption
- Operating case temp Commercial: 0°C to +70 °C
- RoHS compliant
- Password protection for A0h and A2h



Figure 1: SFP+ (10G) AOC Cable

SPECIFICATIONS

SKU	Description
ECX-SFP-AOC-XX-1M	Enconnex, SFP+ (10G), Multimode, Active Optical Cable, [Manufacturer] Compatible, 1M
ECX-SFP-AOC-XX-2M	Enconnex, SFP+ (10G), Multimode, Active Optical Cable, [Manufacturer] Compatible, 2M
ECX-SFP-AOC-XX-3M	Enconnex, SFP+ (10G), Multimode, Active Optical Cable, [Manufacturer] Compatible, 3M
ECX-SFP-AOC-XX-5M	Enconnex, SFP+ (10G), Multimode, Active Optical Cable, [Manufacturer] Compatible, 5M
ECX-SFP-AOC-XX-7M	Enconnex, SFP+ (10G), Multimode, Active Optical Cable, [Manufacturer] Compatible, 7M
ECX-SFP-AOC-XX-10M	Enconnex, SFP+ (10G), Multimode, Active Optical Cable, [Manufacturer] Compatible, 10M
ECX-SFP-AOC-XX-15M	Enconnex, SFP+ (10G), Multimode, Active Optical Cable, [Manufacturer] Compatible, 15M
ECX-SFP-AOC-XX-20M	Enconnex, SFP+ (10G), Multimode, Active Optical Cable, [Manufacturer] Compatible, 20M

RECOMMENDED OPERATING CONDITIONS

Parameter	Symbol	Min	Typical	Maximum	Unit
Operating Temperature	Tc	0	-	+70	°C
Power Supply Voltage	Vcc	3.14	3.3	3.47	V
Power Supply Current	Icc	-	-	150	mA
Power Dissipation	Pd	-	-	0.6	W
Bit Rate	BR	-	10.3125	-	Gbps
Fiber Bend Radius	Rb	3	-	-	cm

MECHANICAL SPECIFICATIONS

Parameter	Value	Unit
Diameter	3	mm
Minimum Bend Radius	30	mm
Length Tolerance	Length < 5 m: +300 / -0	mm
	5 m ≤ length ≤ 50 m: +500 / -0	
	50 m < length: +1000 / -0	
Cable Color	Aqua (OM3)	