

# NoviConnect™ 512 40G QSFP+ Passive Optical Cable

**NoviConnect 512 40G Transceiver + Passive Optical Cable (3 meter).** This Industry Standard 40Gbase QSFP+ Passive Optical Cable operates full duplex 4 channel supports 40G Ethernet, fiber channel and PCIe, is certified for optimal performance with NoviFlow switching products, and is fully compliant with MSA (Multi-Source Agreement) standards. All NoviFlow NoviConnect products are 100% functionally tested to ensure trouble-free installation and operation when used with NoviFlow's NoviSwitch network products.



NoviConnect Transceivers are factory programmed with specific configuration data required for seamless networking compliance and for optimal network performance when used with NoviFlow switching products. These transceivers can be mixed and connected to devices with MSA industry standard compliant transceivers, for outstanding network performance.

**NoviFlow Inc.™** aims to change the traditional approach to networking by making switching smarter. The company was founded to deliver upon the promise of SDN. Our SDN data

plane products combine the benefits of virtualization and programmability with network processors that can handle complex flows, making it possible for data center and network operators to keep up with today's exponentially growing networking demand. In order to ensure the highest levels of network performance, seamless compatibility and trouble-free upgrades with our NoviSwitch products, NoviFlow offers a complete line of high-performance and cost-effective SFP transceiver modules.

## PRODUCT DESCRIPTION

The NoviConnect 512 40G QSFP + passive optic cable is a high performance, low power consumption, long reach interconnect solution supporting 40G Ethernet, fiber channel and NIC cards. It is compliant with the QSFP MSA and IEEE P802.3ba. The NoviConnect 512 is an assembly of 4 full-duplex lanes, where each lane is capable of transmitting data at rates up to 10Gb/s, providing an aggregated rate of 40Gb/s.

### Key Features:

- Full duplex 4 channel parallel passive optical cable
- Transmission data rate up to 10.3Gbit/s per channel
- SFF-8436 QSFP+ compliant
- Hot pluggable electrical interface
- Low power consumption
- Housing isolated from connector ground
- Operating case temperature 0°C to +70°C
- 3.3V power supply voltage
- RoHS 6 compliant

## SPECIFICATIONS

PARAMETER		UNIT
Min. Dielectric Whitstand Voltage	300	VDC
Insulation Resistance	1000	Mohms
Current Rating	0.5 Amp Min/Signal Contact	
Operating Temperature	0 to 70	C
Flammability Rating (Plastics)	UL 94	
Shield	Braid/Foil	
<b>Connector</b>		
Backshell Material	Nickel Plated Zinc Diecast	
Contact Material	PCB with Gold-Plated Pads	
Max. Insertion Force	40	N
Max. Withdrawal Force	30	N
Durability	250	Cycles
Tightest Recommended Vertical Spacing (Belly to Belly)	11.80	mm
Tightest Recommended Vertical Spacing (Stacked)	17.50	Mm
<b>Cable</b>		
Conductor	Solid	
Wire gauge	30 to 24	AWG
Impedance	100±5	Ohms
Construction	Twinaxial	
Jacket Type	PVC	

## ORDERING INFORMATION

MODEL NUMBER 40000512

FOR MORE INFORMATION



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