



NC-ONS-XX-SFP Series

Small form-factor pluggable transceivers (SFPs)



Overview

SFP transceiver plug-ins achieve high-speed communications for single-mode fiber, multi-mode fiber, copper Ethernet, and mixed cabling networks. These small form-factor pluggable transceivers (SFPs) plug into the Aggregation and Edge Switches' SFP ports, then connect to the cabling.

Applications

- Airports, shopping malls, campuses, etc.
- High-rise buildings
- Surveillance systems

Features & Benefits

- Translate data into signals that can be transmitted on the specific cable
- Connect to the Aggregation Switch (NC-ONS-Sx)
- Connects to the Edge Switches (NC-ONS-Cx)
- Not interchangeable with each other, or with third-party SFPs
- Highly adaptive: works with any cabling mode that can pass traffic, in any combination of media across the network

Model Selection

NC-ONS-SX-SFP	Compatible with Aggregation Switches Single-mode fiber
NC-ONS-CX-SFP	Compatible with Edge Switches Single-mode fiber, full duplex operation
NC-ONS-CU-SFP	Compatible with Edge Switches For copper Ethernet (RJ45)
NC-ONS-DX-SFP-SM	Compatible with Edge Switches Single-mode point-to-point SFP For duplex single-mode fiber
NC-ONS-DX-SFP-MM	Compatible with Edge Switches Multi-mode point-to-point SFP For duplex multi-mode fiber

Specifications

	NC-ONS-SX-SFP	NC-ONS-CX-SFP	NC-ONS-CX-SFP	NC-ONS-DX-SFP-SM	NC-ONS-DX-SFP-MM
Technical Information					
Solution	Fiber		Fiber and Copper		
Connector Type	SFP with SC Receptacle		RJ45	Dual LC	
Case Operating Temperature	40°C to 85°C	0°C to 70°C		-40°C to 85°C	-40°C to 85°C
TX Wavelength	1490 nm	1310 nm	-	1310 nm	850 nm
RX Wavelength	310 nm	1490 nm	-	1310 nm	850 nm
TX Launch Power	2.5 to 7 dBm	0 to 4 dBm	-	-9.5 to -3dBm	-9.5 to -3dBm
RX Sensitivity	-30 dBm	-27 dBm	-	-	-
RX Saturation Power	-6 dBm	-3 dBm	-	-	-
Certifications	IEEE 802.3ah, SFF 8472, FCC Part 15, Subpart J, FDA 21 CFR 1040.10 and 1040.11, IEC-60825, RoHS, UL1950 and UL94, CSA 22.2, IEC 60950	IEEE 802.3ah, SFF 8472, FCC 47 CFR Part 15, Class B, FDA 21 CFR 1040, 10 and 1040.11, IEC-60825, RoHS	MSA compliant. Compliant with Gigabit Ethernet and 1000BASE-T standards as specified in IEEE STD 802.3 and 802.3ab	MSA Compliant, IEEE 802.3z	MSA Compliant, IEEE 802.3z
Compatible Cable	Simplex single-mode fiber		CAT5/CAT6	Single-mode duplex point-to-point fiber	Multi-mode duplex point-to-point fiber
Protrudes	18mm / 0.71in	30mm / 1.18in	21mm / 0.83in	12mm / 0.48in	12mm / 0.48in

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