

TRANSCEIVER PLUG-INS

**ONS-SX-SFP / ONS-CX-SFP / ONS-CU-SFP /
ONS-DX-SFP-SM / ONS-DX-SFP-MM**



Small form-factor. High speed.

Optigo Connect's 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.

The Optigo Connect Spectra line uses SFPs to transmit and receive light on single-mode fiber and translate it into electrical signals for the switches. These SFPs are unique to Optigo Networks' Connect product line. The ONS-SX-SFP connects to the Spectra Aggregation Switch (ONS-S8) to transmit and receive data over a Passive Optical Network with single-mode fiber. The ONS-CX-SFP connects to the Edge Switches (ONS-Cx). It works similarly to the ONS-SX-SFP, but also has an integrated microprocessor to handle the PON protocol. These SFPs are not interchangeable, with each other or with third-party SFPs.

The Optigo Connect Hybrid line also uses SFPs to translate data into signals that can be transmitted on the specific cable. The Hybrid solution is highly adaptive: with the correct SFP on both ends of any given link, they can work with any cabling mode that can pass traffic, in any combination of media across the network. The transceivers for copper Ethernet (ONS-CU-SFP) connect to both the Hybrid Aggregation Switch and Optigo Edge Switches.



ONS-SX-SFP



ONS-CX-SFP

ONS-SX-SFP

- Compatible with Spectra Aggregation Switch (ONS-S8)
- Optigo Connect Spectra
- Single-mode fiber

ONS-CX-SFP

- Compatible with Optigo Edge Switches
- Optigo Connect Spectra
- Single-mode fiber, full duplex operation



ONS-S8 with ONS-SX-SFP



ONS-C1601pi with ONS-CX-SFP

ONS-CU-SFP

- Compatible with Optigo Edge Switches
- Optigo Connect Hybrid
- For copper Ethernet (RJ45)

ONS-DX-SFP-SM

- Compatible with Optigo Edge Switches
- Optigo Connect Hybrid
- Single-mode point-to-point SFP
- For duplex single-mode fiber

ONS-DX-SFP-MM

- Compatible with Optigo Edge Switches
- Optigo Connect Hybrid
- Multi-mode point-to-point SFP
- For duplex multi-mode fiber

Product Specifications

TECHNICAL INFORMATION					
PARAMETER	ONS-SX-SFP	ONS-CX-SFP	ONS-CU-SFP	ONS-DX-SFP-SM	ONS-DX-SFP-MM
SOLUTION	Spectra		Hybrid		
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	1310 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