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Ethernet - SFP Adapter

1000 Base-X, 2 fibers (LC) SM

SFP (Smart Form-Factor Pluggable) module 1000 Base-X with LC connector that offers the possibility to extend the network up to 10 km through single-mode (SM) dual fiber.

This high performance media adapter can be connected to an Ethernet input of a CoaxData device to allow its access to an Ethernet signal through optical fiber.

Ref.769210

Art.Nr

EKASFP2F

EAN13

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Highlights

- Switch Ethernet (ref. 769140, 769141, 769142 or 769143) compatible
- CoaxData Modem (ref. 769202) compatible
- WaveData Access Point (ref. 769002) compatible

Main features

- Small Form Pluggable (SFP) module
- 2 single-mode fibers (SM)
- Operating data rate of 1250 Mbps
- Duplex LC connector
- Up to 10 km transmission distance
- Differential LVPECL inputs and outputs
- TTL signal detect indicator
- Hot-pluggable capability

Discover

What is a SFP?

The Small Form-Factor Pluggable (SFP) devices are adapters that generate an interface to allow access to an Ethernet signal through Optical Fiber. These devices can be connected to the inputs of different Ethernet and GPON equipment, allowing the transmission/reception of the information by connecting to single-mode or multi-mode fiber or Ethernet cables.

Among the advantages of using SFP modules, we can highlight the reduction of space, lower energy consumption, or the increase of transmission distances.

Which SFP do I need?

Based on the devices to which they are connected, the transmission speed, or the type of cable used, several options are available in the whole range of media converters. The compatibility between the SFPs and the different Ethernet and GPON equipment is described below.

Reference	769520	769210	769212	769410	769411	769412	769413	831503	831505	831506
Models	ONU SFP Adapter 1000 Base-X (SC/APC)	Ethernet – SFP Adapter 1Gb, 2 fibers (LC/UPC) SM	Kit: 2 Ethernet – SFP Adapters 1Gb, 1 fiber (LC/UPC) SM	SFP Adapter for OLT equipment GPON B+, 1 fiber (SC/PC)	SFP Adapter for OLT equipment 1Gb, RJ45 connector	Ethernet – SFP+ Adapter 10Gb, 2 fiber (LC/UPC)	SFP Adapter for OLT equipment GPON C+, 1 Fiber (SC/PC)	Transceiver 1Gb, MMF (LC)	Transceiver 1Gb, RJ45 connector	Transceiver 1Gb, SMF (LC)
Compatible with Ethernet Switches: 769140 769141 769142 769143	✓	✓	✓	-	-	✓	-	-	-	-
Compatible with Routers: 769111	-	✓	✓	-	-	-	-	-	-	-
Compatible with Switches for IPTV applications: 831401 831402 831403 831406 831426	-	-	-	-	-	-	-	✓	✓	✓
Compatible with GPON OLT modules: 769401 769420 769421 769422	-	-	-	✓	✓	✓	✓	-	-	-

Technical specifications

Working Ratings	Units	Min.	Typ.	Max.
Power Supply Voltage	V	3.13	-	3.46
Working Temperature	°C (°F)	-20 (-4)	-	+60 (+140)
Data Rate	Mbps	-	-	1250
Máximum distance	km (miles)	-	-	10 (6.21)
Optical Transmitter	Units	Min.	Typ.	Max.
Center Wavelength Range	nm	1260	1310	1360
Spectral Width	nm	-	-	4
Differential Input Voltage	mV	500	-	2400
Optical Power Output	dBm	-9	-5	-3
Optical Fall/RiseTime (20%~80%)	ps	-	-	260
TX Disable Output Voltage	V	2.0	-	Vcc
TX Fault Output Voltage	V	2.0	-	Vcc
Optical Receiver	Units	Min.	Typ.	Max.
Differential Output Voltage	mV	400	-	1600
Optical Receiver Sensitivity	dBm	-	-	-19
Maximum input optical power	dBm	-3	-	-
Receiver loss of signal (LOS) voltage	V	2	-	-
Signal detect range	dBm	-35	-	-20
Signal detect hysteresis	dB	0.5	-	6