S6010 Series

Stand-alone DS1 - T1/E1 Remotely Managed NID

DS1 - T1/E1 over Fiber

S6010-1040

The ION S6010 is a stand-alone managed media converter that offers a solution for extending DS1 - T1/E1 or PRI connections over fiber optic cabling. It provides fiber extension though a twisted pair RJ-48 port and a fiber port. These DS1 - T1/E1 converters must be used in pairs, one on each end of the fiber link. Management of the stand-alone converter is supported, in-band, over the fiber, when the remote S6010 is linked to a C6010 card installed in a managed ION Chassis. These DS1 - T1/E1 converters are available with fixed fiber connectors or an open SFP slot, with support for various fiber types, distances, and wavelengths to provide maximum flexibility for any network topology. CWDM SFPs can also be used to further increase the bandwidth capacity of the fiber infrastructure.

Features

- Remote in-band management
- Local or Remote Loopbacks - Copper or Fiber
- Switch selectable for T1 or E1
- Remote firmware upgrade
- LEDs for immediate visual status
- Supports dual or single fiber
- Supports multimode and single mode fiber at a variety of distances
- Supports CWDM SFPs
- SNMP management when used with ION chassis and management module
- Remote stand-alone can be managed by local peer
- Extend PRI over fiber
- Must be used in pairs

Specifications

Standards	ANSI T1.102 T1.402 T1.408 ITU I.431 G.703 G.736 G.775 G.823 ETSI 300-166 300-233 TBR12/12
Copper Connectors	RJ-48, BNC
Fiber Connectors	SFP: LC connector Uses standard 100Base-X/OC-3 SFP Fixed Optics: ST or SC connector
Data Rates	T1 = 1.544 Mbit/s, E1 = 2.048 Mbit/s
Status LEDs	Power, Signal Detect Copper, Signal Detect Fiber
Dimensions	Width: 3.25" [82 mm] Depth: 6.5" [165 mm] Height: 1" [25 mm]
Power Consumption	2.6 Watts
Power Input	100-240 VAC
Power Output	12 VDC
Environment	Operating: -10°C to 65°C Humidity: 5% to 95% (non-condensing) Altitude: 0 – 10,000 ft.
Weight	2 lbs. [0.90 kg]
MTBF	With Power Supply: Greater than 41,660 hours (MIL-HDBD-217F) Greater than 114,580 hours (Bellcore) Without Power Supply: Greater than 250,000 hours (MIL-HDBD-217F) Greater than 687,000 hours (Bellcore)
Certifications	CISPR/EN55022 Class A, FCC Class A, CE Mark, UL60950
Warranty	Lifetime

Ordering Information

S6010-1011
Twisted Pair (RJ-48) [1.5 km/0.9 mi.]
to 1300nm multimode (ST) [2 km/1.2 mi.]
Link Budget: 11.0 dB

S6010-1013
Twisted Pair (RJ-48) [1.5 km/0.9 mi.]
to 1300nm multimode (SC) [2 km/1.2 mi.]
Link Budget: 12.0 dB

S6010-1014
Twisted Pair (RJ-48) [1.5 km/0.9 mi.]
to 1310nm single mode (SC)
[20 km/12.4 mi.] Link Budget: 16.0 dB

S6010-1040
Twisted Pair (RJ-48) [1.5 km/0.9 mi.]
to *SFP slot (empty)

Optional Accessories (sold separately)

SFP Modules

Wide Input (24 - 60VDC) Power Supplies (sold separately)

SPS-2460-SA
Stand-Alone Power Supply

Mounting Options (sold separately)

WMBL
Wall Mount Bracket 4" [102 mm]

WMBD
DIN Rail Bracket 5" [127 mm]

E-MCR-05
12-Slot Media Converter Rack

RMS19-SA4-02
4-Slot Media Converter Shelf

*SFP port uses standard 100Base-x/oc-3 SFP

Power Supply Included
To order the corresponding country specific power supply, add the extension from the list below to the end of the SKU; Ex: S6010-1011-NA
-NA = Country Code
NA = North America, LA = Latin America, EU = Europe, UK = United Kingdom, SA = South Africa, JP = Japan, OZ = Australia, BR = Brazil