S6120 Series

Stand-alone DS1-T1/E1/J1 Network Interface Device

4 x DS1 - T1/E1/J1 + 10/100 Ethernet over Fiber

The ION S6120 is a managed stand-alone DS1 - T1/E1/J1 media converter mux that provides a solution for those users that need to extend multiple DS1 - T1/E1/J1 connections, along with a 10/100 Ethernet connection, all over fiber. The S6120 includes (4) RJ-48 ports, (1) 10/100 Ethernet port, and (1) fiber port. The device is available in versions that support fixed fiber connectors as well as SFP fiber modules offering support for a variety of fiber types, distances, and wavelengths to provide maximum flexibility across a variety of network topologies. CWDM SFPs can also be utilized to further increase the bandwidth capacity of the fiber infrastructure.

The S6120 converter must be used in pairs. Management of the stand-alone converter is supported, in-band, over the fiber, when the remote S6120 is linked to a C6120 card installed in a managed ION chassis.

Features

- (4) RJ-48 copper interfaces
- (1) fiber interface (fixed or SFP)
- (1) RJ-45 10/100Mbps Ethernet port
- Auto-MDI/MDIX
- Pause (Flow Control on Ethernet port)
- Loopback via test set
- Local and remote loopbacks
- LEDs for device status and troubleshooting
- Settings for line code, line build out, loopbacks and Alarm Indication Signal (AIS)
- Access to complete status and configuration on local and remote device
- Remote firmware upgrade
- Remote management
- Extended operating temperature
- Must be used in pairs

Specifications

Standards	ANSI T1.102 T1.403 and T1.408 ITU I.431 G.703 G.736 G.775 G.823 ETSI 300-166 300-233 TBR 12/13 AT&T Pub 62411 IEEE 802.3
Data Rate	Copper ports (RJ-48): T1(J1) = 1.544Mb/s, E1 = 2.048Mb/s Ethernet port (RJ-45): 10/100Mbps SFP port(s) (empty): 100Base-X/OC-3
Switches	Numerous switch settings for line coding, line build out, loopback and AIS
Status LEDs	Power, Port Status, Loopback and AIS
Dimensions	Width: 3.7" [94 mm] Depth: 6.5" [165 mm] Height: 1.8" [46 mm]
Power Consumption	6 Watts (max) for dual fiber model 5.5 Watts (max) for single fiber model
Power Input	AC: 12 VDC via barrel connector using 100-240VAC, UL listed power supply
Environment	Operating: -10°C to 65°C Storage: -40°C to 85°C Humidity: 5% to 95% (non-condensing)
Weight	2 lbs. [0.90 kg]
MTBF	114,580 hours (Bellcore)
Certifications	EN55022 Class A, EN55024, CE mark
Warranty	Lifetime

Ordering Information

S6120-1013
  1300nm multimode (SC) [2 km/1.2 mi.]
  Link Budget: 11.0 dB
  to (4) RJ-48 [1.5 km/0.9 mi.]
  + 10/100Base-TX (RJ-45) [100m]

S6120-1014
  1310nm single mode (SC) [20 km/12.4 mi.]
  Link Budget: 16.0 dB
  to (4) RJ-48 [1.5 km/0.9 mi.]
  + 10/100Base-TX (RJ-45) [100m]

S6120-1040
  1 SFP port (Empty) to (4) RJ-48
  [1.5 km/0.9 mi.]
  + 10/100Base-TX (RJ-45) [100m]
  (SFP port uses standard 100Base-x/oc-3 SFP)

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]

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: S6120-1013-NA

-NA = Country Code
NA = North America, LA = Latin America, EU = Europe, UK = United Kingdom, SA = South Africa, JP = Japan, OZ = Australia, BR = Brazil