

Flashlink

ETH1000-SFP

Electrical to optical media converter

The Nevision Flashlink ETH1000-SFP is an electrical to optical 10/100/1000Mbps Ethernet converter designed for CWDM and DWDM applications.

The modular design with the ability to quickly replace a whole unit with its optical modules attached makes the ETH1000-SFP the first choice for mission critical applications.

The media converter is utilizing SFP transceivers that are pluggable devices enabling easy exchange or upgrade of optical ports.

A typical application is transporting GbE together with video and data on a CWDM or DWDM network.

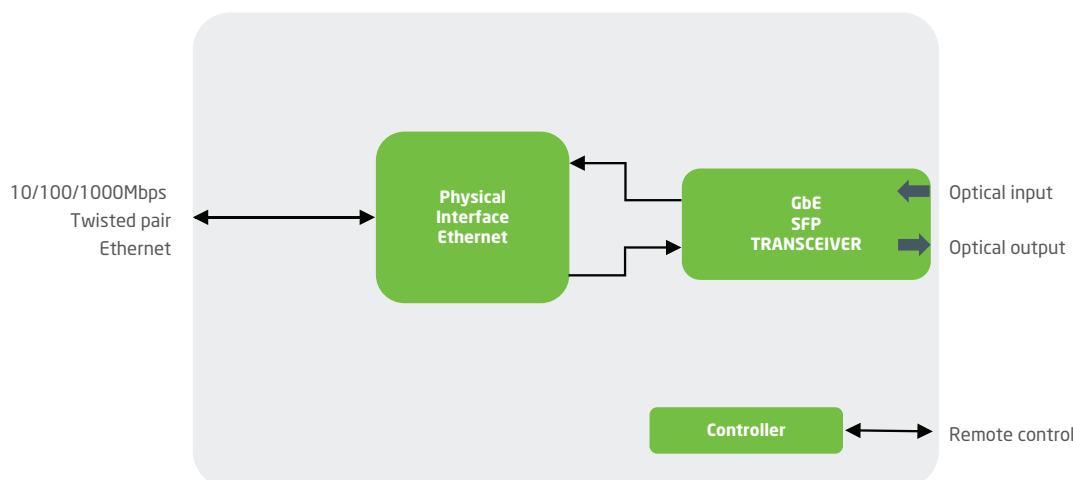
ETH1000-SFP complements the extensive range of Flashlink optical transport products covering video, audio and data signals, strengthening Flashlink reputation as the number one optical transport platform for broadcasters and contribution network operators.

Applications

- Optical networking
- GbE transport
- Dark fiber networks

Key features

- 10/100/1000Mbps Ethernet
- Auto negotiation
- 13T transceiver
- 18 channel CWDM support
- 40 channel DWDM support
- Up to 34dB budget



Product description

The Flashlink ETH1000-SFP is a 10/100/1000Base-T to 1000Base-X media converter module. The optics of the card is SFP based making the optical part exchangeable in field. The module converts a 10/100/1000Mbps Ethernet signal on copper to a 1000Mbps optical signal suitable for medium and long haul fiber applications.

The module has one electrical Ethernet port, and one optical fiber transceiver port. Speed will upon link connection automatically be set at the highest possible speed. User can independently enable or disable 10Mbps, 100Mbps or 1000Mbps. This is controlled from on board DIP switches or a Web interface provided by Multicon Gyda.

ETH1000-SFP supports all 18 channels of CWDM wavelengths ranging from 1270 to 1610, and 40 channels of DWDM with 100Ghz spacing through Nevion's range of GbE SFPs. Nevion's SFPs are also available in different distance grades, supporting optical budgets up to 34dB. Single port SFP devices are also available, with built-in 1270nm/1330nm filter.

The module is monitored and controlled over RS422 by the element manager Multicon Gyda, enabling SNMP support and a Web interface. The module can also be controlled through DIP switches on the card, and 4 LEDs will indicate the status of the module.

Specifications

General

Power 5VDC	3W max
Control and monitoring	DIP configuration, SNMP and Web interface
Temperature range	0 to +40°C

Supported standards

10BaseT	IEEE802.3i
100BaseTX	IEEE802.3u
1000BaseT	IEEE802.3ab
1000BaseX	IEEE802.3z

Optical input

Number of inputs	1
Connector	SC/UPC
Optical performance	See datasheet for SFP

Optical output

Number of outputs	1
Connector	SC/UPC
Optical performance	See datasheet for SFP

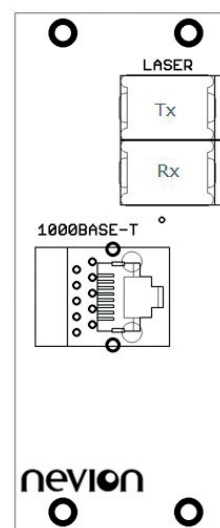
Electrical Ethernet port

Number of ports	1
Connector	TP-45
Interface	Full auto negotiation Auto speed sensing Auto cross-over MDI/MDI-X

Ordering options

22923	Ethernet 10Base-T/100Base-T/1000Base-T to fiber media converter with optical SFP based transceiver interface on one card. SFP is not included.
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See Nevion Web page for applicable GbE SFPs.



Connector module for
ETH1000-SFP



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