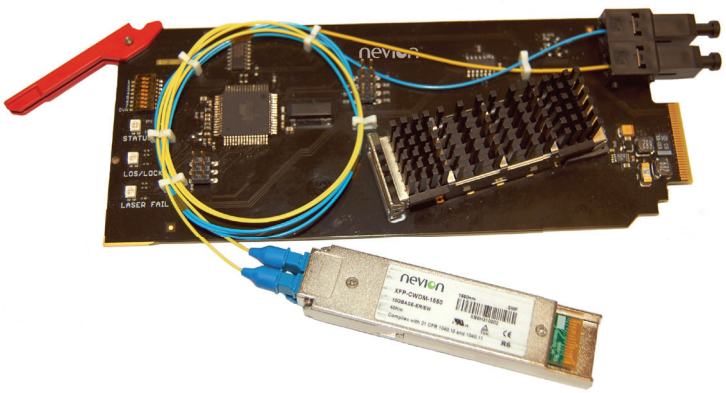
datasheet



Flashlink

10G-TR-XFP

Optical to optical 10Gbps transponder

The Nevion Flashlink 10G-TR is a 10Gbps optical transponder designed for CWDM and DWDM wavelength conversion applications.

The transponder is designed for supporting 10G Ethernet, 10G Sonet/SDH as well as 10G fiber channel. The modular design with the ability to quickly replace a whole unit with its optical modules attached makes the 10G-TR the first choice for mission critical applications.

The transponder is utilizing for its optical conversion XFP transceivers that are pluggable devices that enable easy exchange or upgrade of optical ports.

A typical application converts the optical outputs from 10GbE switches to CWDM or DWDM wavelengths, enabling transport over a Flashlink CWDM/DWDM network.

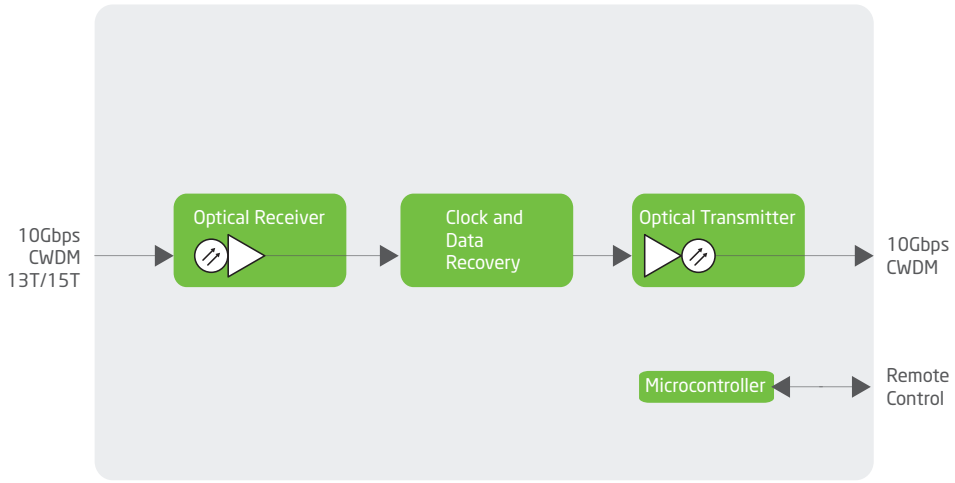
Another application - distance expanding - enables short haul output of a switch to convert to long haul output.

Applications

- Optical networking
- 10GbE transport
- Wavelength conversion
- Dark fiber contribution

Key features

- Multi standard support including:
  - —10G Ethernet
  - —10G SDH/SONET
  - —10G- fiber channel
- 13T transceiver
- 18 channel CWDM support
- 40 channel DWDM support
- upto 23dB budget



Product description

The 10G-TR receives, re-clocks and retransmit a 10G optical signal. Supported standards are 10Gigabit Ethernet, 10Gigabit SDH/SONET and 10G fiber channel.

The product uses XFPs for optical interfaces and through those the 10G-TR supports all 18 channels of CWDM wavelengths ranging from 1270 to 1610, and 40 channels of DWDM with 100Ghz spacing. XFPs are also available in different distance grades, supporting optical budgets upto 23dB.

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

Supported standards

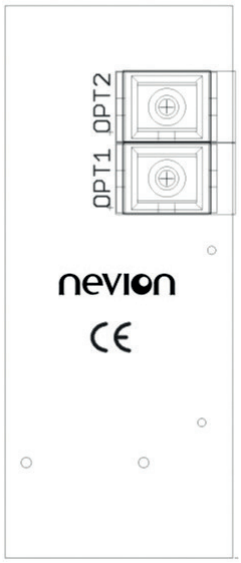
	10G BASE-ER/EW 10G Ethernet
	1200-SM-LL-L 10G fiber Channel
	SONET OC 192 IR-2
	SDH STM S-64.2b
	SONET OC-192 IR-3
	SDH STM S-64.3b

Optical input

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

Optical output

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



Connector module for 10G-TR-XFP

Ordering options

22991 10G-TR-XFP	10G-TR-XFP receives, reclocks and retransmit a 10G optical signal. The module supports all Nevion branded XFPs. XFPs needs to be ordered separate. The module is monitored and controlled over RS422 by Multicon Gyda, enabling SNMP support.

CONTACT INFORMATION

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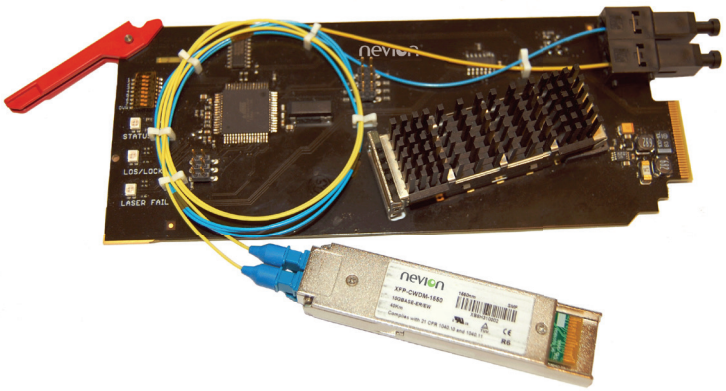
datasheet



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