

Highlights

- ☑ Managed 3R Fiber Optic Converter/Repeater with four independent converter channels, each one provided as a SFP slot pair
- ☑ Channel data rate up to 2.7 Gbit/s
- ☑ Fully flexible "any-to-any" color/fiber/budget choice for each port on each channel because of standard SFP use
- ☑ Selection of multi-mode, single-mode, WDM, CWDM or DWDM for each port individually
- ☑ Fully protocol transparent
- ☑ Integrated management via VT100-CLI, SNMP and Telnet
- ☑ Support of test loops and performing BERT tests via management
- ☑ Digital Diagnostic Monitoring (DDM) of the SFP modules
- ☑ 2x Copper RJ45 and one fiber SFP port for Ethernet SNMP/Telnet management allow cascading
- ☑ Redundant Power Supply with 2x 100-240V AC or 2x -48V DC

modular CONV 7004

Flexible 3R Fiber Converter/Repeater



The modular CONV 7004 is a flexible fiber optic converter and repeater with integrated management. It has four independent converter channels that allow a data rate of up to 2.7 Gbit/s. Full 3R Regeneration (re-amplification, re-shaping, re-timing) on each channel is included.

The chance to complete any port of each channel with a pair of individually selectable fiber optic SFP modules makes it suitable for use in a wide range of applications.

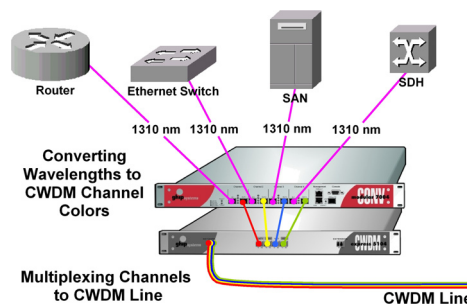
The integrated management facilitates fine-tuning of its features, performing loops and BERT tests, as well as monitoring of the line quality via SNMP or Telnet, based on the SFP's Digital Diagnostic functions.

Two RJ45 ethernet management ports allow cascading of two or more converter units for management purposes.

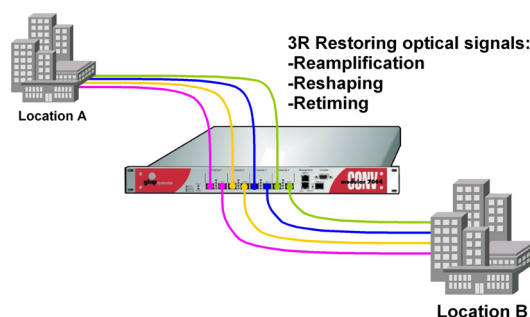
Due to the power supply and fan redundancy, this device is also well-prepared for use in environments with demand for high reliability.

Application Examples

- "Any-to-any" Fiber Optic Converter
- Fiber Optic 3R Repeater for Long Distance Transmission
- Color Generator for passive CWDM/DWDM Systems



The modular CONV converting four Independent applications each with 1310 nm to CWDM color scheme



The modular CONV working as a Fiber Optic 3R Signal Regenerator for four fiber optic lines

modular CONV 7004

Flexible 3R Fiber Converter/Repeater

Specification

Number of Channels	4 independent Converter/Repeater Channels
Fiber Optic Interfaces	2 SFP Module Slots per Channel: In and Out
Signal Regeneration	3R (Re-shaping, re-timing, re-amplification)
Data Rates	9 fixed 3R Data Rates 100Mbit/s up to 2,7 Gbit/s: - FDDI, 100 Mbit Ethernet - STM-1, STS-3 - ESCON - STM-4, STS-12 - Fibre Channel - Gigabit Ethernet - 2G Fibre Channel - STM-16, STS-48 - STM-16, STS-48+FEC plus Transparent Mode (without 3R)
Management	VT100-Console SNMP Configuration and Monitoring Telnet Console Power and Status LEDs Software Update via TFTP Management Interfaces: 2 x 10/100BaseT RJ45, 1 x 100BaseFX SFP Slot, 1 x VT100 Sub-D9
Power Supply	Two Redundant Plugs with 2 x 100 - 240V AC or 2 x -48V DC
Fans	Redundant Fan
Mechanical	19" 1HU, Depth 260 mm
Environmental	Temperature 0-40°C, Humidity max. 90%, Non-condensing

Ordering Information

modular CONV 7004 3R Fiber Optic Converter/Repeater 4 independent Channels, each with 2 SFP Module Slots, VT100/Telnet/SNMP, redundant Power Supply and Fan	with 2 x 100-240V, european Plug Order Code: G7004-EU with 2 x 100-240V, US Plug Order Code: G7004-US with 2 x -48V Power Supply Order Code: G7004-48
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