

Highlights

- ☑ Managed 3R Fiber Optic Backup Switch with two independent channels, each one provided as a set of SFP slots
- ☑ 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 BKUP 7502

Flexible 3R Fiber Backup Switch



The modular BKUP 7502 is a flexible fiber optic backup switch. It has two independent channels that allow a data rate of up to 2.7 Gbit/s. Full 3R Regeneration (re-amplification, re-shaping, re-timing) is included. Redundant transmitters and receivers on the line ports of each channel facilitate constant monitoring of both lines and a fast receiver switching at less than 50 ms in

case of link failure, loss of activity or bad line quality.

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

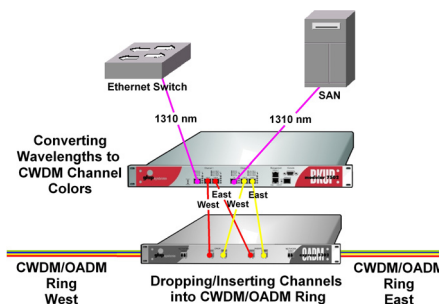
The integrated management facilitates fine-tuning of its features, performing loops and BERT tests, as well as monitoring of the line quality via SNMP or Telnet, based on the SFP's Digital Diagnostic functions.

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

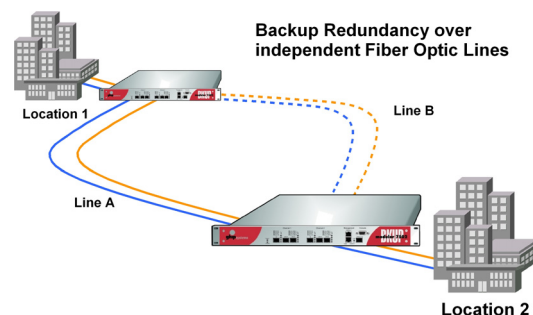
Due to the power supply and fan redundancy, this device is also well-prepared for use in environments with demand for high reliability.

Application Examples

- Redundant Transmission of Fiber Optic Data
- Color Generator for use with passive CWDM/DWDM Systems



The modular BKUP converting two Independent Protocols each with 1310nm into the CWDM Color Scheme for OADM access



The modular BKUP working as a Fiber Optic Redundancy Backup Switch for two independent Fiber Optic Lines

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Flexible 3R Fiber Backup Switch

Specification

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|-------------------------------|---|
| Number of Channels | 2 independent Backup Channels |
| Fiber Optic Interfaces | 3 SFP Module Slots per Channel: In, Line A, and Line B |
| Backup Delay | less than 50 ms, typical 20 ms |
| 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

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| modular BKUP 7502 3R Fiber Optic Backup Switch 2 independent Channels, each with 3 SFP Module Slots, VT100/Telnet/SNMP, redundant Power Supply and Fan | with 2 x 100-240V, european Plug Order Code: G7502-EU with 2 x 100-240V, US Plug Order Code: G7502-US with 2 x -48V Power Supply Order Code: G7502-48 |
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