

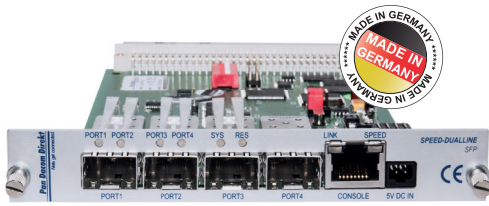
SPEED-DUALLINE SFP

Dual 1.25 Gbps SFP transponder

WAVELENGTH DIVISION MULTIPLEXING

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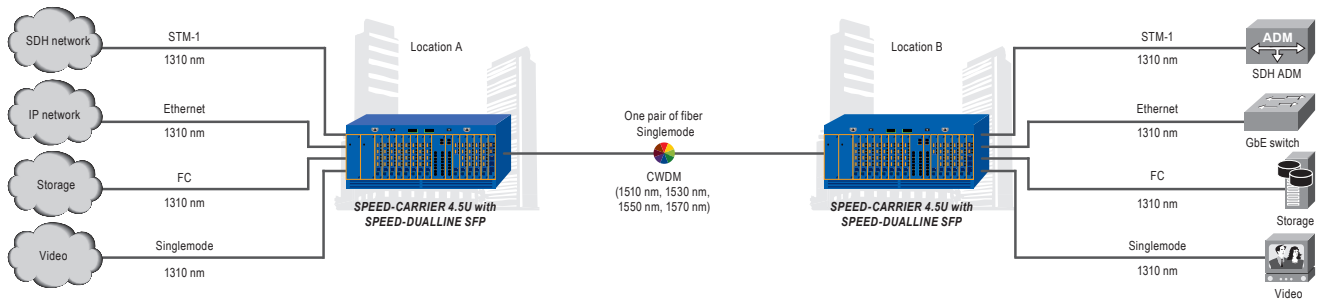
Compact optical Transponder Module with four SFP Ports



- » 2-channel transponder module with four SFP ports
- » Protocol and rate transparent (100 Mbps to 1.25 Gbps)
- » An extremely flexible and cost-optimized C/DWDM service module (SFP-based)
- » Optimized for IP, SDH, video and storage applications
- » Cost optimized optical transponder

Inhouse development

Protocol transparent Transmission in CWDM Networks

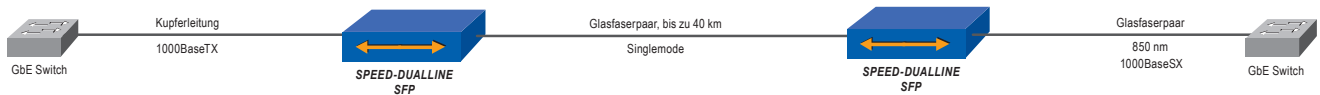


By using the SPEED-DUALLINE SFP it is possible to increase the capacity of one single pair of fiber with a protocol transparent transmission of up to 16 applications (SDH, IP, Storage, video, etc.).

The SPEED-DUALLINE SFP performance a conversion of the standard wavelength (850 nm, 1310 nm, 1550 nm) to a dedicated CWDM wavelength with a network termination which can be managed

actively. The SPEED-DUALLINE SFP is a cost effective solution for transmission distances up to 40 km.

Media Conversion for Connecting Copper over Fiber Optic

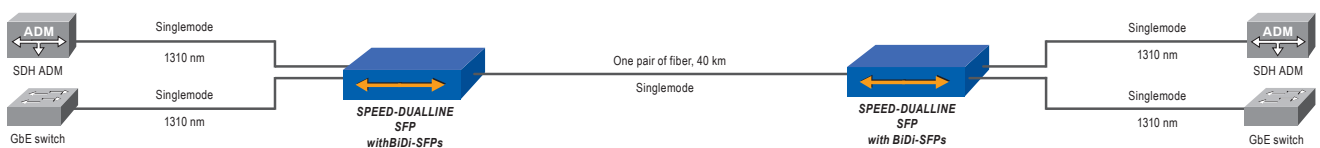


The SPEED-DUALLINE SFP represents a flexible solution to be used as an intelligent electrical-to-optical interface converter in

e.g. SDH (STM-1), IP (Fast Ethernet, Gigabit Ethernet) or Storage (ESCON, FICON, Fibre Channel) networks. This module en-

ables a completely transparent connection of e.g. copper-based infrastructures to a fiber optic line.

Two Applications without external xWDM transmission on a single Pair of Fibers



Another field of applications for a SPEED-DUALLINE SFP is the cost-effective concentration of two single-mode applications with two fiber optic pairs for a trans-

mission over a single pair of fibers. The fiber optic concentration can be accomplished in a space-saving 1-slot housing without the need of a passive xWDM multip-

lexer. A realization is achieved by just using bi-directional SFPs at the link side.

Specifications

General

- LED indicators: Unit status, optical link, local loops
- Dimensions (H x W x D): 21 x 131 x 190 mm
- Power supply via backplane

SFP Ports

- 4 SFP slots (2 x line, 2 x client)
- Protocol: transparent or SFP-specific
- Data rate: 100 Mbps–1.25 Gbps depending on the SFP type
- Link-Loss-Carry-Forward (LLCF): Shut-down of client SFP if loss of signal occurs at the line SFP

Housing types

- 1-slot standalone housing
- SPEED-CARRIER platform

SFP types

- Use of SFPs according to MSA standard
- Copper / electrical interfaces:
 - IP: Fast Ethernet, Gigabit Ethernet (RJ45)
 - SDH: STM-1 (BNC)
- Optical (LC):
 - IP: Fast Ethernet, Gigabit Ethernet
 - SDH: STM-1, STM-4
 - Video: SDI, DVB ASI
 - Storage: 1 GFC

Management

- Integrated SNMP agent, Telnet, alarm notification via SNMP traps
- Loops on SFP ports
- SFP management information provided by integrated DMI functions:
 - input/output power (in dB), temperature, wavelength, bitrate, status, supported protocols
- Optional: SNMP and Web management by using a management module (SPEED-NMS OE)

Ordering options

- SDL-2SFP-2SFP-A: SPEED-DUALLINE SFP with 2R
- SDL-2SFP-2SFP-A: SPEED-DUALLINE SFP with 3R
- SDLPR-2SFP-2SFP-A: SPEED-DUALLINE SFP 3R PROTECT