

# SPEED-DWDM 2U

## 96-channel passive multiplexer

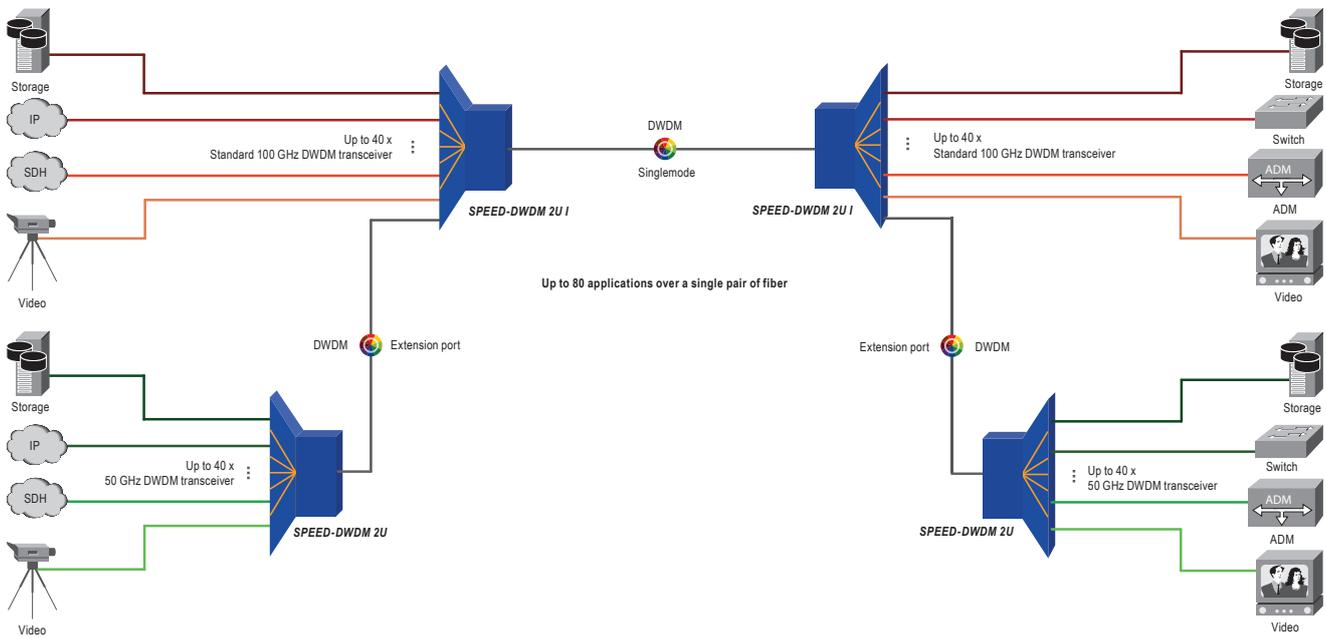
### Compact 50 GHz DWDM Multiplexer with Integrated Monitor Interface



- » Protocol transparent 10 Mbps to 100 Gbps
- » 96 DWDM channels in ITU 50GHz grid
- » Compact 2U housing without power supply
- » Integrated monitor interface for signal measurements



### 96 Services over one Fiber Pair with Measurement of the Signal Quality



The SPEED-DWDM 2U is an AWG (Array Waveguide Grating) Multiplexer who is designed for the transmission of up to 96 DWDM channels over one pair of fiber. This high channel number is possible through the work area in the 50 GHz ITU grid with channel spacing of only 0.4 nm.

The integrated monitor interface provides a measurement of the signal quality without interruption of the data traffic. The SPEED-DWDM 2U is a passive multiplexer which does not require a power supply. Protocols or services with up to 100 Gbit/s can be completely transparent bundled and

transmitted. For a long-term and reliable operation of the compact 2U device the housing is built for a temperature range of -5 to 65°C.

#### Specifications

##### General

- 19" Chassis, 2U
- Dimensions (H x B x T): 88 x 432 x 340 mm
- Power supply: Passive module
- Operating temperature: -5 °C to +65 °C
- Storage temperature: -40 °C to +85 °C
- Humidity: 90 % (non-condensing)

##### Specification of interfaces

- SPEED-DWDM-2U-13.5/61:
- DWDM channels: CH13.5 – CH61
- Channel spacing: 50 GHz grid
- Attenuation (MUX + DEMUX): max. 13.6 dB
- Monitor-port (max. 17dB)
- 19" 2U housing

##### Ordering options

- SDWDM-2U-135/61-A SPEED-DWDM 2U (CH13.5-61)