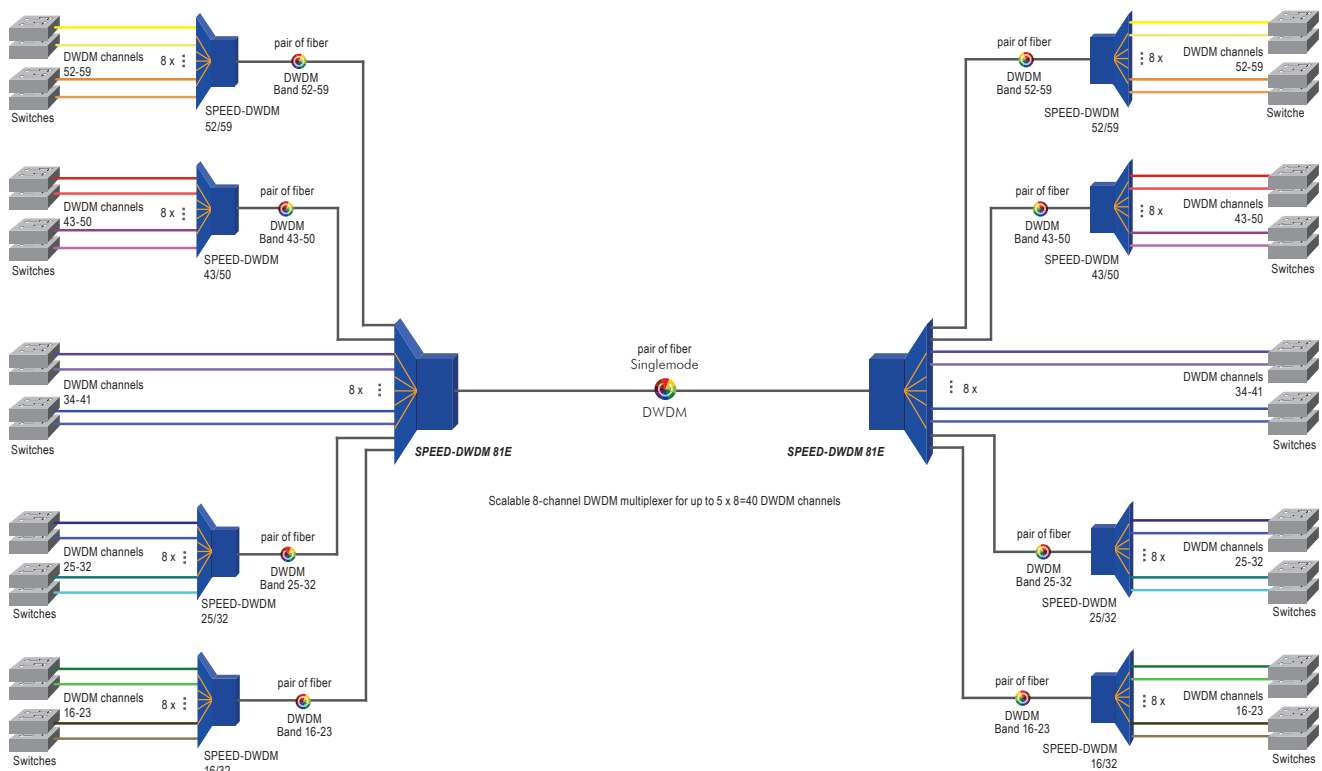# SPEED-DWDM 81E
Scalable 8-channel DWDM multiplexer

8-channel DWDM Multiplexer - Scalable to 40 optical Channels

» Protocol transparent (10 Mbps to 100 Gbps)
» Highly scalable solution – „pay as you grow"
» Up to 40 protocol transparent channels using one pair of fibers
» For high or low-speed services
» No power supply required

Inhouse development · 100G ready · GREEN IT

8-channel DWDM Multiplexer for Bandwidths from 10 Mbps up to 100 Gbps

Scalable 8-channel DWDM multiplexer for up to 5 x 8=40 DWDM channels

The SPEED-DWDM 81E-34/41-A is a purely passive Mux/Demux module providing 8 DWDM and four extension ports in one unit. In point-to-point connection up to eight applications can be transmitted without additional efforts by using one pair of fibers in a first step. Using the scalable design with four extension ports, further channels can be used for services. Each DWDM channel supports bandwidths from 10 Mbps to 100 Gbps protocol transparent. The The SPEED-DWDM 81 series represents an innovative and scalable system for transmission of up to 40 independent applications over one pair of fiber.

Specifications

General
- Insertion loss: Max. 7 dB for DWDM channels and max. 2.5 dB for extension port
- Passive mux/demux modules without requiring power supply
- Operating temperature: 0 to 70°C
- Humidity: 0 to 95% (non-condensing)
- Dimensions (H x W x D): 41 x 130 x 190 mm

Line port
- Line type: Single-mode
- Connector: LC/UPC
- Distance: Up to 80 km depending on power budget of user equipment

Client port
- 40 x single-mode
- Wavelengths:
  - ITU-T ch 34 to 41
  - Extension ports: ch 16-23, ch 25-32, ch 43-50, ch 52-59
  - 100 GHz grid
- Connector: LC/UPC

Applications
- High-speed: ATM, SONET/SDH, Ethernet/Fast Ethernet, Gigabit Ethernet, 10 Gigabit Ethernet, 2/4/8/16 Fibre Channel, FICON, ESCON etc.
- Low-speed: n x 64 kbps applications, Leased Lines, E1, E3 etc.

Housing types
- 4-slot SPEED-CARRIER 1U
- 6-slot SPEED CARRIER Mounting Rack 1U (passive)
- 16-slot SPEED-CARRIER 5U
- Further housing types (e.g. rail mounting), connectors or channel design on request

Ordering options
- SDWDM 81E-34/41-A 8-channel DWDM with four extension ports
- SDWDM 81- 52/59-A 8-channel DWDM
- SDWDM 81- 43/50-A 8-channel DWDM
- SDWDM 81- 25/32-A 8-channel DWDM
- SDWDM 81- 16/23-A 8-channel DWDM

Combinable SPEED products
- SPEED-MODEM FO
- SPEED-SINGLELINE XFP
- SPEED-SINGLELINE SFP
- SPEED-SINGLELINE XFP 3R
- SPEED-DUALLINE SFP 3R
- SPEED-DUALLINE FC XFP
- SPEED-DUALLINE SFP 3R PROTECT
- SPEED-DUALLINE 10GE
- SPEED-SINGLELINE SFP
- SPEED-AMP EDFA
- SPEED-MUX 10G
- SPEED-AMP RAMAN
- SPEED-MUX 10GE
- SPEED-DUALLINE FC SFP

Pan Dacom Direkt
Nets get connected.