SPEED-AD-WDM
1-channel Add&Drop C/DWDM multiplexer

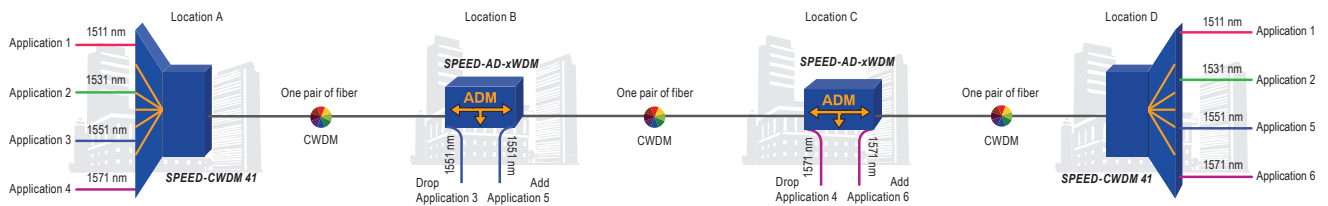## Cost-effective and optimized regarding attenuation Add&Drop Device

» Ideal for C/DWDM ring structures or daisy chain applications
» Compact 1-slot module for integration in a standalone or 19" SPEED-CARRIER housing
» Customized number of channels and wavelengths available
» Optimized to attenuation and costs

GREEN IT

Inhouse development

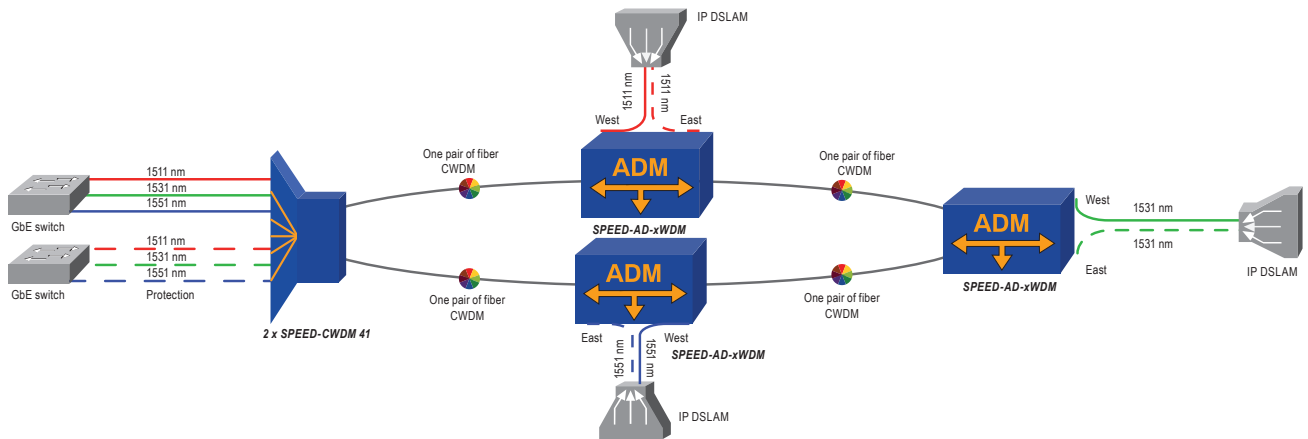## Multiple Use of C/DWDM Wavelengths

The SPEED-AD-xWDM is a compact add&drop multiplexer for CWDM and DWDM applications. A dedicated wavelength can be dropped out of a fiber optic link that parallel transmits multiple C/DWDM wavelengths by using an add&drop multiplexer.

All incoming wavelengths are received at one of the both line ports in such a daisy-chain structure. The required wavelength/application are dropped by the so-called "drop"-client port. This in the further course unused wavelengths can be connected

with a new application by the socalled "add"-port. The new application and the remaining, non-dropped wave-lengths are conjoined transmitted to the next site by using the second line port.

Add&drop C/DWDM in a Ring: DSLAM Backhauling and shift-in

Add/drop multiplexer are often used in ring structures requiring longer distances as constructionconditioned significantly improved attenuation values can be achieved

compared to standard CWDM and DWDM multiplexers. A ring structure enables to realize a backup scenario in addition to an actual transmission. This backup scenario

assures the data transmission – even after a fiber break between two sites.

Specifications

General
• Attenuation: Depending on the number of channels using a 3-channel put-through and a 1-channel add&drop: Approx. 1 dB (without connector)
• Passive mux/demux modules without requiring power supply
  • Humidity: 0 to 95% (non-condensing)
  • Dimensions: (H x B x T): 21 x 131 x 219 mm

Line port
• Line type: single-mode
• Connector: LC
• Distance: Depending on power budget of user equipment

Client port
• 2 x single-mode
• Wavelengths: C/DWDM on request
• Connector: LC/PC

Applications
• CDWM/DWDM ring structure or daisy chain

• High-speed:
  ATM, SONET/SDH, Ethernet/Fast Ethernet, Gigabit Ethernet, 10 Gigabit Ethernet, Fibre Channel, FICON, ESCON etc.
• Low-speed:
  n x 64 kbit/s application, Leased Lines, E1, ISDN etc.

Housing types
• 6-slot SPEED-CARRIER
• 4-slot SPEED-CARRIER 1U
• 16-slot SPEED-CARRIER 5U
• 1-slot standalone housing

Ordering options
• S-CAD-XX-B ::   CWDM-AD 1-channel
• S-CAD-XX/YY-B ::   CWDM-AD 2-channel
• S-CAD-XX/YY/ZZ-B ::   CWDM-AD 3-channel
• S-DAD-XX-B ::   DWDM-AD 1-channel
• S-DAD-XX/YY-B ::   DWDM-AD 2-channel
• S-DAD-XX/YY/ZZ-B ::   DWDM-AD 3-channel

Combinable SPEED products
• SPEED-MODEM FO
• SPEED-SINGLELINE XFP
• SPEED-DUALLINE 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.

+49 (0) 6103 / 83 4 83-333 · info@pandacomdirekt.de · © 2016 Pan Dacom Direkt GmbH