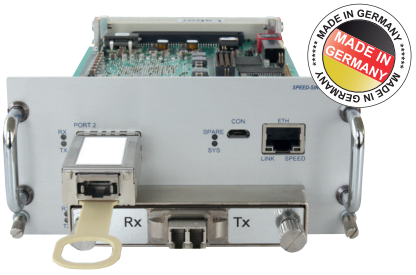
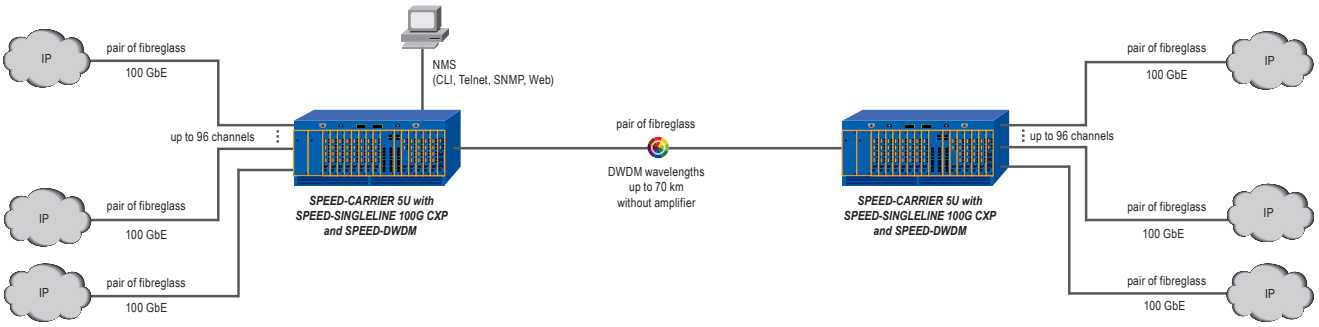
Compact optical 100 Gbps Transponder Card



- 100 Gbps Conversion: Multimode, singlemode and DWDM
- Transport of 100 Gbps Ethernet according to OTU-4
- Support of coherent tunable DWDM CFP transceivers
- Optimized for 100 Gbps Ethernet with SR10 interfaces (CXP oder CFP)

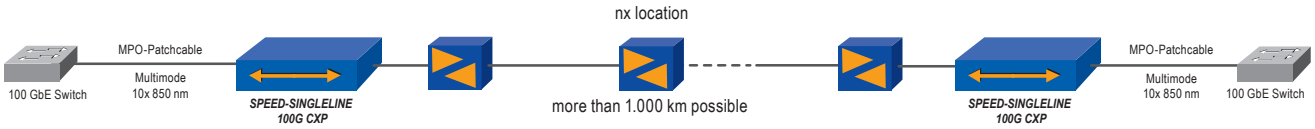
Inhouse development · FEC · tunable DWDM

100 Gbps wavelength conversion for DWDM networks with up to 80 km without amplification



With a scalable optical power budget of up to 21 dB the SPEED-SINGLELINE 100G transponder card offers a wide power range. By using the SPEED-SINGLELINE 100G card DWDM networks which have been designed for 10 Gbps can easily be upgraded to 100 Gbps without any interruption of running services within the 50/1000 Ghz grid.

Conversion from MMF auf SMF and signal regeneration for higher transmission distances



The main field of applications are cost optimized DWDM networks in which the SPEED-SINGLELINE 100G as an intelligent transponder card is converting relevant DWDM signals in a transparent data stream. The SPEED-SINGLELINE 100G occupies 3 slots in the 19" 16 slot 19" rack SPEED-CARRIER 5 U and is monitored resp. configured via SNMP, HTTP or Telnet.

Technical Specifications

General
- Design: 3-slot module card
- Dimensions (H x W x D): 129 x 61 x 190 mm
- Power supply via backplane:
  - AC: Redundant 230V
  - DC: Redundant 48V power supplies in 19"-chassis
- Ambient temperature: 5°C to +35°C
- Storage temperature: 0°C to +60°C
- Humidity: 90% (not condensing)
- LED indication: Device status, optical link, local loops

Specification of the interfaces
- Number of interfaces:
  - 1x CFP (CWDM tunable)
  - 1x CXP (SR10)
- Protocol:
  - 100 Gigabit Ethernet
  - OTN: OTU-4

Test and security features
- Bit-Error-Rate-Test (BERT)
- Loop switching regarding the ports (LOOP)
- Shutting down of client ports at signal loss on line port (LLCF)
- OTN Monitoring
- FEC

Management
- Integrated SNMP agent and alarm notification via SNMP trap
- Telnet
- alarm via SNMP trap
- Transceiver management information provided by integrated DMI functions: input/output power, wavelength, bit rate, status, supported protocol, operating temperature

Chassis types
- 16 Slot SPEED-CARRIER 5U

Standards
- RoHS- and WEEE-conformity
- EN 60950, 55022 (Class B), 55024
- VDE 0804, ETS 300 019
- "Made in Germany" (design and production)

Ordering options
- SSL-CFPR-CXPR-A: SPEED-SINGLELINE 100G CXP

+49 (0) 6103/83 4 83-333 · info@pandacomdirekt.de ·