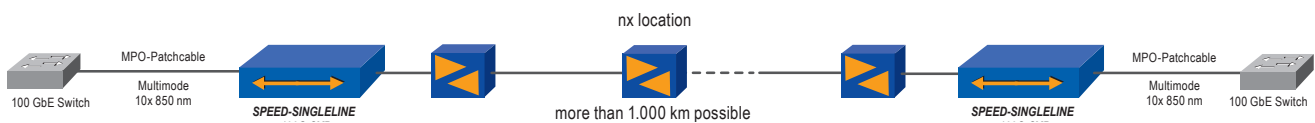


### Compact optical 100 Gbps Transponder and Repeater Card

- » Ideal for 100 Gbps signal regeneration at repeater locations
- » Transport of 100 Gbps Ethernet according to OTU-4
- » Support of coherent tunable DWDM CFP transceivers
- » Optimized for 100 Gbps Ethernet with LR4 and ER4 interfaces



### Signal regeneration at inline repeater locations for higher transmission distances

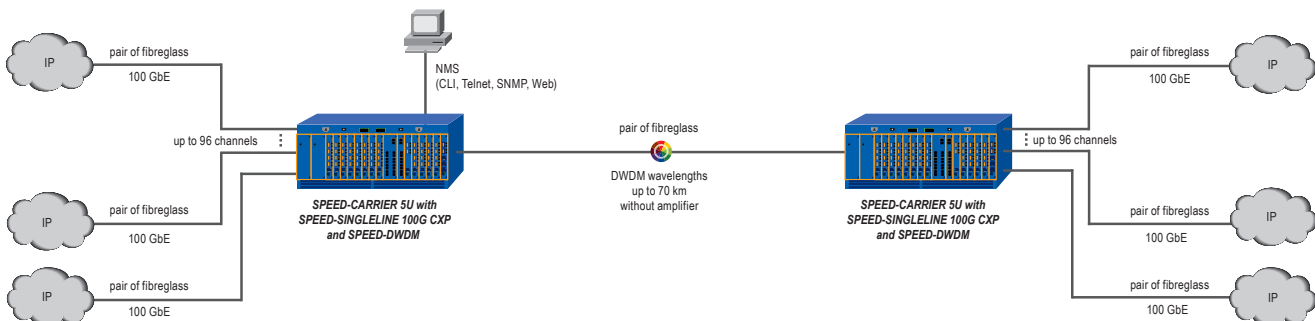


The main field of applications are cost optimized DWDM networks in which the SPEED-SINGLELINE 100G as an intelligent

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.

### 100 Gbps wavelength conversion in DWDM networks with up to 70 km



With a scalable optical power budget of up to 21 dB the SPEED-SINGLELINE 100G transponder card offers a wide power ran-

ge. 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.

#### Technical Specifications

##### General

- Design: 5-slot module card
- Dimensions (H x W x D): 129 x 101 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:
  - 2x CFP (DWDM-tunable/LR4/ER4/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
- Telnet
- Alarm via SNMP Trap
- Evaluable informations of Digital Monitoring (DMI): Input/output power (in dB), temperature, wavelength, bit rate, status, provided protocols

##### Chassis types

- 16 Slot SPEED-CARRIER 5U

##### Standards

- RoHS- and WEEE-conformity
- EN 60950, 55022 (Class A), 55024
- "Made in Germany" (design and production)

##### Ordering options

- SSL-100G-CFPR-CFPR-A: SPEED-SINGLELINE 100G CFP