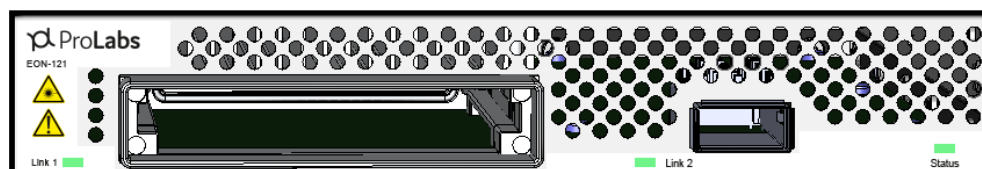


The evolving need for Transponder solutions.



Description

100Gbps QSFP28 to 100Gbps Coherent CFP DWDM transponder.

EON - 121:

- Modular ½ width 1U 100G transponder
- 200G per 1U chassis
- low power consumption (Max 60w per 100G)
- QSFP28 client interface with SR4/LR4/AOC /PSM4/CR4-DAC support
- Coherent CFP for metro and long haul DWDM applications
- Comprehensive client and line performance monitoring
- Plug and play operation
- Front to back and back to front airflow
- CLI/GUI with SNMP support

EON-121 versatile 100G transponder

ProLabs' EON-121 is a low power plug and play 100G DWDM transponder. It converts a 100G QSFP28 client interface to Coherent CFP for metro, long haul and DWDM applications. The client Port supports all transceiver types - including DAC (Direct Attached Copper) cables for ultimate convenience and cost savings when connecting to host equipment. The line interface supports coherent C-Band tunable DWDM CFPs with 50GHz spacing allowing for metro and long-haul connectivity greater than 1000km.

Each EON-121 unit is a half width 1U module meaning that two EON-121 modules can fit in to a 1U EON-2 chassis system providing 200G of connectivity on two DWDM wavelengths.

Product configuration:

- 100G Transponder, 100G QSFP28 LAN to 100G CFP WAN uplink

Transceivers (Ordered Separately)

Line interface:

Optical line interface: OIF standard based coherent CFP

- Line rate: 111.81-120.58Gbps
- DWDM tunability range: ITU-T G.694.1 (Supports full C-Band tunable DWDM with 50GHz spacing)
- Optical reach: 1200km long haul
- Dispersion tolerance: 40,000ps/nm
- OTN Overhead: OTU4/ODU4 OH monitoring
- Link budget: 19dB (with FEC)
- OSNR: min = 14dB

Client interface:

Optical interface: QSFP28

- DAC cables: 1, 2, 3 & 5m
- SR4: MM, 100m
- CWDM4: SM 2km
- LR4: SM 10km
- PSM4: SM 10km

Management protocols:

- CLI, GUI, SNMP, HTTP, HTTPS, SSH, Syslog, RADIUS, SNTP, TFTP and FTP Web server application.

Online Access Manager (OAM):

- Facility loopback (client and line interfaces), PRBS, ALS, Event logger alarm.

Visual indicators:

Indicator LEDs:

- Client link
- Line link

Status LED:

- System Critical / Major / Minor / Power

Performance monitoring:

- Layer 1 PM for all services
- OTN PM for uplink
- Optical power Rx & Tx levels for all optical ports

Software upgrades:

- Traffic hitless software upgrades

Environment:

- Operating temp: 0° C to 45° C
- Humidity: 5% to 85% RHI
- Cooling: front to back straight through air flow
- AC and DC Variants

Dimensions EON-121:

- 44 x 205 x 270mm (H,W,D)

For Ordering Information please contact your local Prolabs Sales Representative.

Visit www.prolabs.com for more connectivity solutions.

