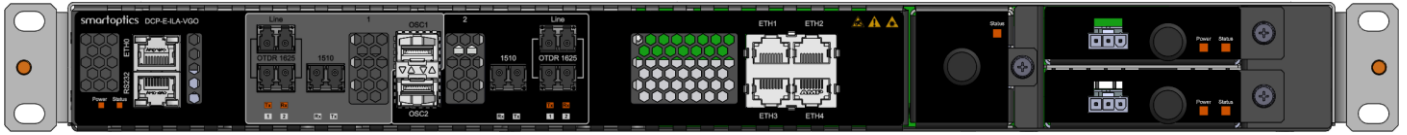


DCP-E-ILA-VGO

ETSI 300mm ILA with variable gain amplifier and OCM

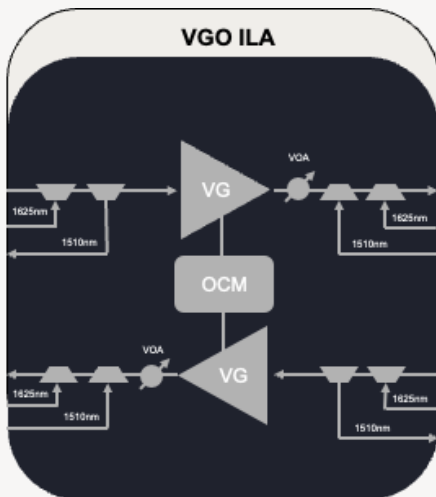


AN INTEGRATED 1RU LINE AMPLIFIER WITH OCM FOR ETSI 300 ENVIRONMENT

DCP-E is a DWDM platform designed for use in locations with ETSI 300mm requirements. The DCP-E-ILA-VGO is an inline amplifier with OCM in a 1RU chassis that fits in ETSI 300mm deep cabinets. All components needed for the line amplifier are integrated in the chassis. This includes variable gain amplifiers for East and West, OSC filter (1510nm), OTDR filter (1600-1670nm), VOA, pluggable OSC and OCM.

DCP-E-ILA-VGO IN SHORT

- 1RU chassis that fits in ETSI300, 300mm environment
- Dual hot swappable DC power
- Hot swappable fan unit
- Extended C-band variable gain amplifiers with settable gain from 10dB to 30dB. Flat gain 10-24dB. Max output power 22dBm.
- Integrated optical channel monitor, OCM
- Pluggable OSC port for different reach and for OTDR possibility
- OTDR filter port for external 1625nm OTDR sources available on the front
- Management support via SNMP, Netconf and gNMI



AUTOMATED CONFIGURATION AND MANAGEMENT VIA SOSMART

DCP-E brings a high level of automation for the line amplifier configuration. Gain and VOA settings will be automatically configured. Management communication is handled via the OSC channel. The management traffic can be automatically routed via OSPF. Communication to the unit is possible via SNMP, Netconf and gNMI.

ORDERING INFORMATION

DCP-E Series product codes	
DCP-E-ILA-VGO/HW	Base HW, ILA, ETSI 300mm with variable gain amplifier and OCM, fan unit, no PSU
DCP-E-ENL-14.x_SW	DCP-E Embedded Node License for software release 14.x
DCP-PSU-DC-01	DC-PSU, -48V (200W), front to back airflow, front mounted, Includes 3m DC cable (CAB-0014)
DCP-E-SML	DCP-E SoSmart Manager License, yearly subscription fee per DCP-E chassis
Spares	
DCP-FAN-UNIT-02	4-element fan unit, temp controlled speed, front mounted

TECHNICAL SPECIFICATIONS

PRODUCT CONFIGURATION

ETSI 300mm ILA with variable gain amplifier with OCM.

Front side connections

1 x RS-232 serial port
 1 x RJ-45 Local craft 10/100/1000 Base-T
 4 x RJ-45 1 x RJ-45 Local craft 10/100/1000 Base-T
 2 x SFP-ports for OSC/OTDR

All optical ports are of LC connector type

2 x EDFA Tx/Rx
 2 x 1510nm OSC ports
 2 x 1625nm external OTDR ports

VISUAL INDICATORS

Status LED Power & Alarm status
 EDFA LED: Tx/Rx
 MON LED: Tx
 OSC LED: OSC Tx/Rx

2 x Power supplies: Single/dual feeding. Hot swappable.
 1 x Fan unit: Redundant plugin. Hot swappable.

MANAGEMENT

CLI, SSH, SNMPv2c, SNMPv3,
 NTP, SFTP, Syslog, RADIUS, TACACS+
 Netconf, gNMI

SOFTWARE UPGRADES

Traffic hitless software upgrades

DIMENSIONS

Size (WxDxH)
 440mm x 240mm x 1RU
 Weight: 4.8 Kg / 10.58 lbs.

EYE SAFETY

Laser safety class 1

Typical consumption at 220VAC:

Normal operation: 28 W (25 deg C)

Max during power up: 72 W (55 deg C)

DC Fuse: -40.5 to -57 VDC (5A)

ENVIRONMENTAL

Operating temp: 0° C to +45° C

Cooling: Front to back

Humidity: 5% to 85%

Altitude: 3000 m (10.000 ft.)

OPTICAL PERFORMANCE

EDFA wavelength range: 1528 -1567nm
 (191.3 to 196.135THz)

EDFA settable gain: 10-30dB

EDFA flat gain: 10-24dB

VOA attenuation range: 1.5 to 20dB

Note. The information in this document is valid from release R14.1

POWER CONSUMPTION

Subject to change without notice.

For more information visit smartoptics.com.

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