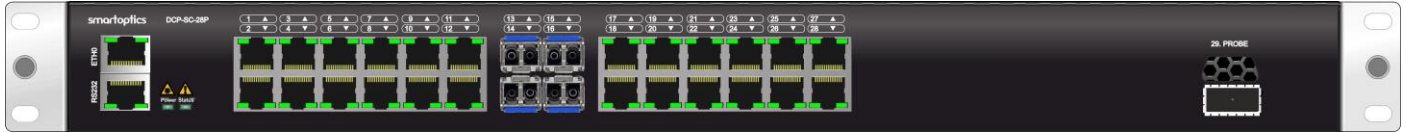# DCP-SC-28P

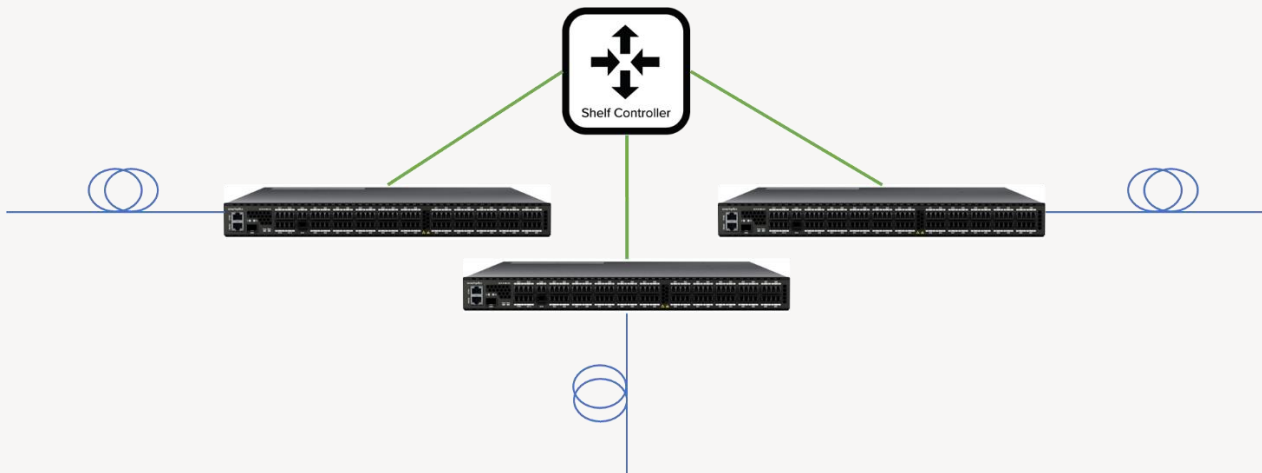## Shelf controller for ROADM networks with DCP-R

AN OPEN LINE SYSTEM PLATFORM DESIGNED FOR FLEXIBLE NETWORKS

For networks where wavelength manageability, capacity and reliability are at a premium, the Smartoptics DCP-R family of multi-degree ROADMs is the optimal choice. The hardware in a ROADM node consists of DCP-R unit(s) and the shelf controller. The shelf controller manages the DCP-R units and acts as the interface towards the management system.

DCP-SC-28P IN SHORT

- Enables all ROADMs in a node to be managed under one IP-address.
- Provides IP-routing for failover management. (OSPF)
- Enhances performance by off-loading the embedded software on the ROADM elements.
- Allows for management of transponder chassis or external equipment via in-band management.
- AC or DC power options

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ORDERING INFORMATION

DCP-M Series product codes	
DCP-SC-28P	Shelf controller, 24x1G+4x10G, QDD-probe
DCP-2-PSU-AC-FB	AC power supply for DCP platform, Front-to-Back airflow
DCP-2-PSU-DC-FB	DC power supply for DCP platform, Front-to-Back airflow
Spares	
DCP-2-FAN-FB	Spare fan unit, Front-to-Back

TECHNICAL SPECIFICATIONS

PRODUCT CONFIGURATION
1RU shelf controller

FRONT SIDE CONNECTIONS
24 x 1G ETH LAN ports
4 x 10G SFP+ ports
1 x QSFP-DD port
1 x 1G ETH0 for local DCN connection
1 x RS232 console port

POWER SUPPLY
AC version: Single/dual feeding.
DC version: Single feeding.

MANAGEMENT
CLI, SSH, SNMPv2c, SNMPv3, NetConf
NTP, SFTP, RADIUS, TACACS+

SOFTWARE UPGRADES
Traffic hitless software upgrades

DIMENSIONS
Size (WxDxH)
440mm x 505mm x 1RU

POWER CONSUMPTION
Typical consumption:
Max consumption: <100W

AC Fuse: 100-127 VAC (3A)
                      200-240 VAC (1.5A)

DC Fuse: -40 to -72 VDC (7A)

ENVIRONMENTAL
Operating temp: -20° C to +60° C
Cooling: Front to back
Humidity: 5% to 85%
Altitude: 3000 m (10.000 ft.)

*NOTE. THE INFORMATION IN THIS DOCUMENT IS VALID FROM
RELEASE R10.0.1*

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