

ROSA™ Wavelength Management

Description

The ROSA[™] Wavelength Management component gives a comprehensive overview of the tunable equipment in the optical network and allows an easy and fail safe provisioning of the wavelengths.

Provisioning an optical network with tunable optics is a complex and error-prone process. The ROSA Wavelength Management component solves this complexity and dynamically provisions or reallocates wavelengths and bandwidth when transmitters or receivers are added. It also provides fail safe control to ensure that duplicate wavelengths are not accidentally provisioned over the same fiber span.

The ROSA Wavelength Management component auto detects the tunable cards of the Prisma IP^{TM} and Prisma GbETM platforms. The user can configure each fiber span in the network topology.

Configuration Fiber Spans						
Fiber Span	Δ	Channel		Equipment		
:pan_2	•	ITU 24 (1558.17 nm)	•	OTx 10.11.13.54 Prisma IP 10GbE PTP - POI	RT_100	
:pan_2	•	ITU 24 (1558.17 nm)	•	▷ ORx 10.11.13.53 Prisma IP 10GbE PTP - P0	RT_100	
:pan_2	•	ITU 25 (1557.36 nm)	-	OTx 10.11.13.57 Prisma IP 10GbE PTP - POI	RT_100	
:pan_2	-	ITU 25 (1557.36 nm)	•	▷ ORx 10.11.13.56 Prisma IP 10GbE PTP - PO	RT_100	
:pan_2	•	ITU 26 (1556.56 nm)	•	OTx 10.11.13.64 Prisma IP 10GbE PTP - POI	RT_100	
:pan_2	•	ITU 26 (1556.56 nm)	-	▷ ORx 10.11.13.64 Prisma IP 10GbE PTP - PO	RT_100	
:pan_2	•	ITU 27 (1555.75 nm)	-	♥OTx 10.11.13.65 Prisma IP 10GbE PTP · POI	RT_100	
:pan_2	•	ITU 27 (1555.75 nm)	-	DORx 10.11.13.65 Prisma IP 10GbE PTP - PO	RT_100	
:pan_2	-	ITU 28 (1554.94 nm)	-	OTx 10.11.13.66 Prisma IP 10GbE PTP - POI	RT_100	
:pan_2	-	ITU 28 (1554.94 nm)	-	DORx 10.11.13.66 Prisma IP 10GbE PTP - PO	RT_100	
:pan_2	•	ITU 29 (1554.13 nm)	•		RT_100	
:pan_2	•	ITU 29 (1554.13 nm)	•	DORx 10.11.13.67 Prisma IP 10GbE PTP - PO	RT_10(-	
				Adapt Configuration Tune Eq	uinment	

The ROSA Wavelength Management component indicates differences between the provisioned wavelength and the equipment settings. In case of a replacement with spare cards, a simple reapply provisions the correct wavelength settings to the new equipment.

Features

- Provides fail safe control to ensure duplicate wavelengths are not accidentally provisioned over the same fiber
- Auto detects the cards of the Prisma IP and Prisma GbE platforms
- Overview of available wavelengths per fiber span
- Dynamically provision/reallocate wavelengths when transmitters or receivers are added
- Easy provisioning of the wavelength settings when a tunable card is replaced with a spare tunable card



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ROSA Wavelength Management

Ordering Information



Description	Part Number
ROSA Tunable Optics Wavelength Management Package	
Contains all Prisma IP and Prisma GbE Equipment drivers and the Wavelength Management	
component.	
Note: Runs on ROSA/COPERNICUS™ Client/Server only	70032310
COPERNICUS ROSA Network Management Server 100-120/200-240 V AC Std	
Standard SQL database (MSDE)	
Including RS-232/4 and RS-485/4, ROSA 3.X Client, license for 250 managed devices	V000112011



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