



PTM Photonic Transport Modular 300

3RU Compact Modular Optical Transport Platform

DATA SHEET 10 | 2026

KEY FEATURES & BENEFITS

- High density 3RU Compact Modular chassis—up to 32Tbps
- 10 active sled slots
- Redundant controller cards
- Front-to-back airflow
- Up to 3000W power dissipation
- Dual redundant power supplies for maximum reliability
- Four fan redundancy
- OpenConfig/Netconf/Yang for open management
- NEBS-Lite and ETSI compliant for central office deployment

OVERVIEW

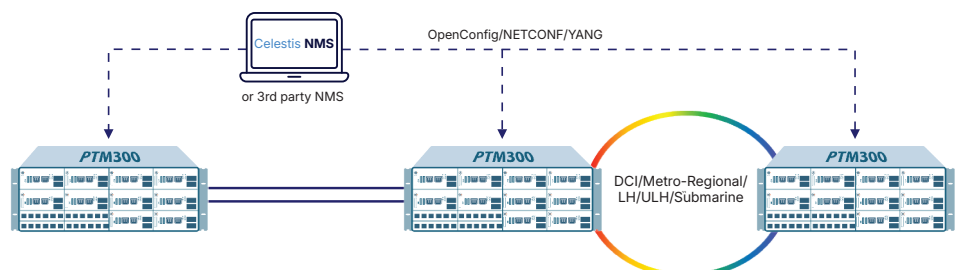
Ekinops Photonic Transport Modular (*PTM*) 300 is the first in a line of optical transport systems purpose-built to be compatible with datacenter environments. Its low profile, high capacity and high performance make it an ideal fit for any datacenter application from short reach campus networks to trans-continental connectivity and can even be deployed as submarine line terminal equipment (*SLTE*) at a cable landing station or inland data center. Fully compatible with existing Ekinops line systems, it can be deployed seamlessly into any Ekinops network to maximize service density and performance while minimizing service upgrade disruption.

As a Compact Modular device, the PTM300 is equally adaptable to both datacenter and service provider networks. Though originally designed for datacenter connectivity, Compact Modular systems are increasingly being deployed in service provider networks to take advantage of their high performance and service density. Combining the latest generation of coherent technology with open software, the PTM300 represents the future of optical transport functionality.

The PTM300 is a 3RU chassis that fits in a 600mm cabinet with a modular sled architecture and up to 32Tbps capacity. It has twelve slots—ten generic slots for service or line system sleds and two for redundant controller cards. Addressing both datacenter and service provider requirements, the PTM300 provides front-to-back airflow, power dissipation up to 3kW, four fan redundancy and dual redundant power supplies for maximum reliability.

APPLICATIONS

- Datacenter interconnection
- Metro/Regional transport
- Long Haul/ULH transport
- Submarine transport
- Service regeneration



APPLICATIONS

The PTM300 can be used anywhere high-capacity, highly scalable and power efficient connectivity is required including point-to-point, ring, multi-ring and mesh networks. Ideal for datacenter interconnection, the PTM300 is equally capable for service provider metro/regional, long haul/ultra-long haul and even submarine applications. It can also be used for service regeneration to extend network reach to any distance and allows a pay as you grow approach by using latest pluggable coherent transceivers.

MANAGEMENT

The PTM300 uses an open network architecture allowing an easy integration in the customer IT environment and allowing advanced data processing by exposing network information to AI and machine learning tools via APIs for automating network operations such as root cause analysis, preventive maintenance and real time traffic optimization. Based on Ekinops OneOS6 operating system, the PTM300 uses the Open Networking Forum (ONF) standard OpenConfig YANG model allowing it to be managed either by Ekinops Celestis NMS or any standards-based third-party system for managing inventory, topology, services, streaming and notifications.



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Specifications

• Features

Height	3RU (131.1mm/5.2in.)
Width	447.6mm/17.6in.
Depth	438.1mm/17.2in.
Weight	10.1kg/22.2lbs
Slot Count	12
Power Voltage	AC: 220V DC: -48V
Power Consumption (w/controllers, fans and PSU)	Typical: 420W Max: 1000W
Power Consumption (loaded)	Max: 2700W
NEBS	NEBS-Lite
ETSI	Yes
Mounting	ETSI, 19in./21in./23in.
Operating Temperature	+5 °C to +40 °C / +41 °F to +104 °F
Management Card	SM_MCC

ORDERING INFORMATION

EKINOPS CHASSIS

PRODUCT CODE	DESCRIPTION
PTM300	PTM 300 chassis, compact modular 3RU chassis for DCI environment, supporting redundant control card option, redundant AC and/or DC power (2700W power consumption), redundant fans and supporting 10 active slots for sled modules.
SM_CC	Management and Control Card
SM_MCC Software License	SM_MCC software license

EKINOPS SLED MODULES (SM)

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