

SABER-4400

Compact, Extended Temperature, Modular Optical Platform

The SABER-4400 is a compact, hardened, modular platform targeting the Access Edge/Metro Edge of the network. It has four universal slots that can hold one-slot, two-slot, three-slot and four-slot (full width) sleds to address a diverse set of network edge application scenarios from Layer 0 to Layer 3. Configurable sleds include Coherent Optical Transponders (TMX), Coherent Muxponders (TMX), Regens (TMX), Amplifiers (OFA), Path Protection Modules (PPM), CDC-Flex ROADMs (RDM), Flexible Optical cross-connects (FOX) and L2/L3 switching/routing (PKT).



Features

- Compact, modular 1RU platform
- Hardened, extended temperature range (ETR)
- Hot-swappable one-slot, two-slot, three-slot, four-slot sleds/modules for network L0 to L3 edge applications
- Hot-swappable management module
- Multiple units can be stacked and appear as a single network element with a single management IP and redundant management hardware
- GR-3108 OSP Class 2 compliant
- Advanced timing options including integrated GPS module for GrandMaster timing
- Secure software management
- Trusted protection module (TPM)
- SNMP and NETCONF/YANG
- Integrated with DZS Cloud Manager
- Graphical Shelf Manager (OSM)

Supported sled families

Sled Family	Description
FOX-44XX	Flexible, Optical X-connects and Add/Drop sleds
OFA-XXXX	EDFA Amplifiers
PKT-44XX	L2/L3 switching/routing sleds
PPM-44XX	Path Protection Module sleds
RDM-44XX	Expandable, Multi-Degree CDC-Flex ROADM sleds
RMN-XXXX	Raman Amplifiers
TMX-44XX	Coherent 100-400G Transponder and Muxponder sleds

Specifications

Parameter	Attribute
Platform Dimensions (H x W x D)	44 x 440 x 275 mm (1.72 x 17.3 x 11 in.)
Security Features	Local, TACACS+, Radius, SSH, Trusted Protection Module
Management Support	DZS Cloud Manager, ONM, OSM, CLI, SNMP, NETCONF/YANG, GNMI
Timing Interface	1PPS, 10MHz, TOD, BITS, GPS
Integrated Fan Unit	Field replaceable, redundant
Power Supply	-48V DC, dual A/B
Operating Temperature	-40°C to 65°C (-40°F to 149°F)
Power Consumption	400W maximum, populated power is sled and module dependent
Certifications	CSA/UL, NEBS L3, CE, GR-63-CORE, GR-3108-OSP Class 2

Ordering Information

Model Number	Part Number	Description
SABER-4400 bundle with MGT and FAN	1017-5013	SABER-4400 Chassis, MGT-4400, FAN-4400, 4 filler cards, power cable assembly
MGT-4400	1017-5035	MGT-4400, Field Replaceable, Hot Swappable, Integrated Management Module
FAN-4440	1017-5040	FAN-4400, Field Replaceable Fan Module

