EKINOPS360
Dynamic Optical Transport

EKINOPS

EKINOPS 360 Chassis
Modular 2RU & 7RU Multireach Transport Platform

KEY FEATURES & BENEFITS

- Modular architecture eases scalability
- Any card-any slot approach simplifies network designs
- Supports service modules and photonic modules in the same chassis to reduce footprint requirements
- Line rate agnostic from 10G to 600G—and beyond—prevents system obsolescence
- Modules compatible with both chassis for complete platform interoperability
- Extended Temperature Range (ETR) capability for harsh environments
- 300mm depth meets telco standard
- NEBS and ETSI compliant for central office deployment

APPLICATIONS

- Long Haul & ULH Transport
- Metro/Regional Transport
- Data Center Interconnection
- Submarine Transport
- Alien wavelength
- Single fiber networks
- Extended temperature environments

OVERVIEW

The EKINOPS 360® Dynamic Multireach Transport platform is a highly versatile and efficient optical transport system that delivers multirate, multiprotocol and multireach capability in a single chassis. Deployed for over a decade in networks across the globe, the EKINOPS 360 has been the vehicle enabling the migration first to 10G, then to 100G and 200G and now to 600G and will continue to a terabit and beyond. Used by service providers—including wireless providers, cable operators, research and education institutions and enterprises alike, it is deployed in every transport application possible from access to ultra-long haul and even submarine connectivity. It can be deployed in outdoor cabinets or other unconditioned spaces at cell towers or in remote amplifier huts. As a single platform using common hardware, software and management, the EKINOPS 360 provides a complete end-to-end solution that is simple to deploy, operate and manage.

With its "evergreen" design, it can easily transition between technology eras—10G, 100G, 600G, etc.—and even support multiple eras at the same time providing the most efficient method for accommodating higher line rates and new technologies. With its modular architecture, a 360 chassis can be configured and reconfigured to match the service profile as needed and opportunity arises. Unlimited by fixed backplane speed, the 360 platform has enabled service providers to scale from 800 Gbps to over 38 Tbps without having to light another fiber pair or replace a single chassis.
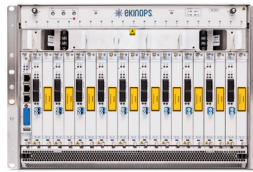
Consisting of three rack mountable chassis types in 7 rack unit (RU) and 2RU form factors each 300mm deep and NEBS and ETSI compliant, the 360 platform meets the strictest telco operational and safety requirements for deployment in any network. Extended temperature range operation from -40°C to +65°C allows deployment in the harshest conditions (requires ETR-specific modules including transponder, amplifier, management card and fan unit).

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	C600 HC	**C200** HC	**C200** HC-ETR
FEATURES			
Height	7RU (310mm / 12.2in)	2RU (87 mm / 3.4in)	2RU (87mm / 3.4in)
Width	442mm / 17.4in	442mm / 17.4in	442mm / 17.4in
Depth	269mm / 10.7in	269mm / 10.7 in (DC version) 442mm / 17.7 in (AC version)	269mm / 10.7in
Weight	11.2kg / 24.7lbs	6.1kg / 13.4lbs (DC version) 11.8 kg / 26.0 lbs (AC version)	6.1kg . 13.4 lbs
Slot Count	20	6	6
Power Voltage	-48VDC	-48VDC or AC option	-48VDC, +24VDC
Power Consumption (empty)	76W	120W	40W
Power Consumption (max. loaded)	1000W	500W	150W
Fuse Rating	40 amp	20 amp	5 amp (-48VDC) 10 amp (+24VDC)
NEBS	Yes	Yes	Yes
ETSI	Yes	Yes	Yes
Mounting	ETSI, 19in / 43in	ETSI, 19in / 23in	ETSI, 19in / 23in
Operating Temperature	-5°C to +50°C +23°F to +122°F	-5°C to +50°C +23°F to +122°F	-40°C to +65°C -40°F to +149°F
Management Card	PM_PMGT4	PM_MNGT4	PM_MNGT4-ETR

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