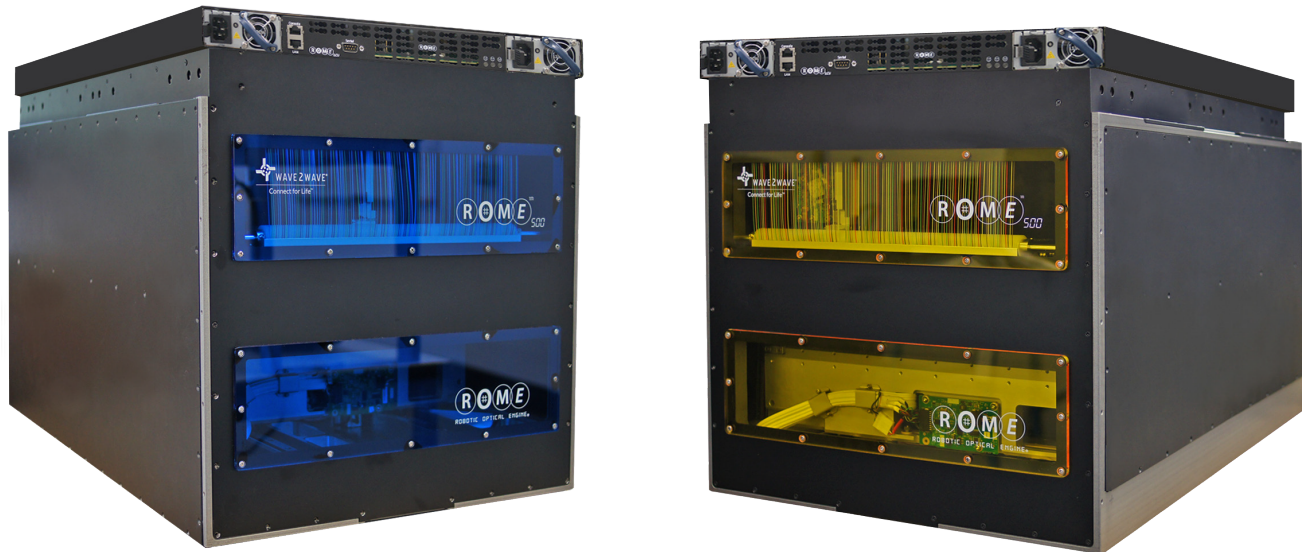


ROME® - Robotic Optical Management Engine



Overview

ROME® is a robotic optical switch that offers dynamic fiber cross connect capability at layer 0. ROME® enables physical fiber connections to be made automatically, remotely, quickly, and without on-site manual intervention. ROME® delivers superior optical performance and low insertion loss. ROME® is completely transparent to transport protocols, wavelengths and signal rates.

With ROME®, data center, telco & lab operators benefit from reduced CAPEX and OPEX as well as improved reliability and security, while future-proofing their critical infrastructure.

Features & Benefits

- Automated Fiber Patch Panel
- Remotely Re-Configurable
- Single Mode or Multi-mode Fiber
- No Electronic Latency
- All Optical - Low Optical Loss
- CLI & GUI Interface
- Robotic Precision
- Bitrate & Wavelength Independent
- Patented Mechanical Latching Technology
- Redundant, Hot-Swappable Power Supply

Applications

- Data Center Architecture
- Lab Automation
- Central Office and/or Remote Site Management
- FTTx - Remote Provisioning, Testing, Troubleshooting, and Grooming
- Co-Location / Carrier Hotel

Specifications		ROME® 500	
Optical Characteristics			
Fiber	512 Fibers		
Configurations	Duplex Tandem Duplex East to West Simplex East to West Tandem		
Fiber Type	Single Mode SMF-28e, Multi-Mode OM4		
Insertion Loss	1.0 dB Max (Patch panel to patch panel)		
Return Loss	Single Mode	Multi-Mode	
	-50 dB UPC, -60 dB APC	-25 dB	
Switching Time	25 sec (Typical)		
Power Requirements			
Power Supply Options	AC/DC Redundant/Hot Swappable		
LCU Power Consumption	100-240 V; 50/60 Hz 4A per input, -48/-60 Vdc, 8A per input (ROME Chassis powered by LCU)		
Environmental Conditions			
Temperature Range (operating)	0 °C to 40 °C (32 °F to 104 °F)		
Temperature Range (storage)	-40 °C to 70 °C (-40 °F to 158 °F)		
Relative Humidity (non-condensing)	5% to 95%		
Mechanical Specifications for Main Chassis			
Rack Unit	19" 10RU		
Ground Clearance	Minimum 12" (305mm) from Rack Floor to Bottom of the ROME®		
Front Clearance	Minimum 30" (762mm) from Front of Rack		
Dimensions	17.4" (442mm) Width, 17.5" (443mm) Height, 31" (791mm) Depth		
Mounting Rail Distance	29" (736.6mm) to 43" (1080.01mm)		
Weight	192 lbs (87kg)		
Mechanical Specifications for Logical Control Unit (LCU)			
Rack Unit	19" 1RU		
Dimensions	17.5" (444mm) Width, 1.7" (44mm) Height, 27.5" (698.25mm) Depth		
Mounting Rail Distance	29" (736.6mm) to 43" (1080.01mm)		
Weight	30 lbs (13.5 kg)		
Network Interfaces	Ethernet: RJ45, Console: RJ45 and DB9		

Safety Compliance	EMC Compliance
• ANSI/UL 60950-1 / CSA 60950-1 (USA / Canada) • EN60950-1 (Europe) • IEC60950-1 (International), CB Certificate & Report Including All Group and Country Deviations • Low Voltage Directive 2006/95/CE (Europe)	• FCC /ICES-003 - Emissions (USA / Canada) • CISPR 22/32 - Emissions (International) • EN55022/32 - Emissions (Europe) • EN55024 - Immunity (Europe) • EN 300 386 - Emissions & Immunity (Europe) • EN61000-3-2 - Harmonics (Europe) • EN61000-3-3 - Voltage Flicker (Europe) • EMC Directive 2004/108/EC (Europe)
Additional Compliances	
• CE Declaration of Conformity (Europe) • FCC/ICES-003 Class A Verification Report (USA / Canada) • RoHS Compliant • Reach Compliant • In Process of Conflict Minerals Certification	