WAVE 2 WAVE®
Connect for Life™

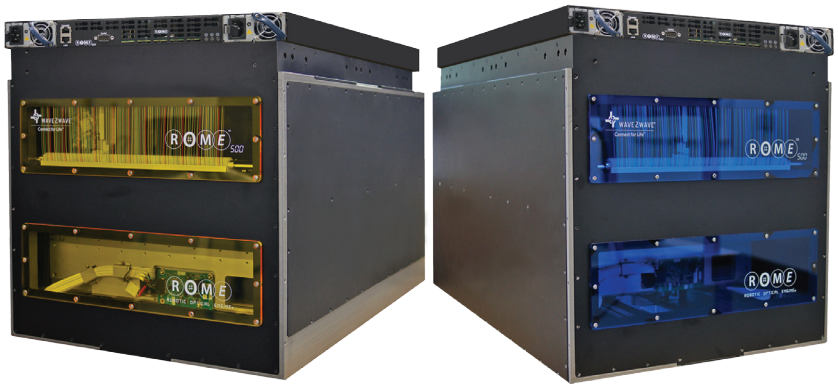
ROME 500

Overview

ROME® is a robotic optical switch that offers dynamic fiber cross connect capability at layer 1. ROME® enables physical fiber connections to be made automatically, remotely, quickly, and without on-site manual intervention. With ROME®, data center operators benefit from reduced CAPEX and OPEX as well as improved reliability and security, while future-proofing their critical infrastructure.

The ROME® product line is the first of its kind to deliver the attributes and reliability of a manual connectivity product while offering the benefits of remote control and automation.

ROME® delivers superior optical performance and low insertion loss. ROME® is completely transparent to transport protocol, wavelength and signal rate.

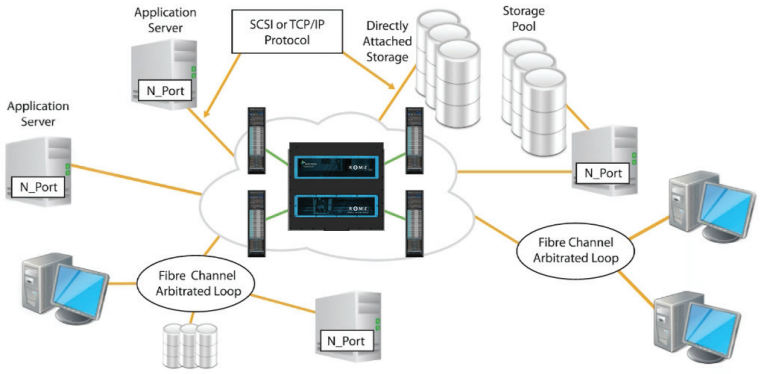


- 512 Fiber Connections Single-Mode or Multi-Mode
- 256 LC Duplex Ports or 512 LC Simplex Ports
- Supports 10G, 100G Transport, Fibre Channel (8G, 16G, and 32G), etc.

ROME® 500 Automates Physical Fiber Connections in the Data Center

ROME® can be integrated with Software-Defined Networking (SDN) or network management software and is ideal for data center operators, telcos, enterprises with IT infrastructure, and large technology test labs. Building on the successful deployments of ROME® 360, the ROME® 500 is designed in 19-inch rack mount chassis with significantly increased density and reduced cost.

All Roads Lead to ROME



Features & Benefits

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

Applications

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

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Specifications	Description for ROME® 500
Optical Characteristics	
Fiber	512 Fibers
Configurations Available	Duplex (East and West) Duplex Tandem (Any to Any connection within Alpha and Beta Matrix) Simplex Tandem (Any to Any connection within Alpha and Beta Matrix)
Wavelength Operating Range	1260 to 1625 nm for SMF, 850 to 1300 nm for MMF
Insertion Loss	1.0 dB Max (Patch panel to patch panel)
Return Loss	-50 dB Single-Mode, -25 dB Multi-Mode
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%
Chassis Physical Characteristics	
Required Rack Space	10RU
Ground Clearance	Minimum 12" (305mm) from Rack Floor to Bottom of the ROME®
Front Clearance	Minimum 30" (762mm) from Front of Rack
Dimensions	17.42" (442.50mm) Width, 17.45" (443.30mm) Height, 31.14" (791mm) Depth
Mounting Rail Distance	35.22" (894.59mm) to 42.52" (1080.01mm)
Weight	165 lbs (75 kg)
LCU Physical Characteristics	
Required Rack Space	1RU
Dimensions	17.48" (444mm) Width, 1.73" (44mm) Height, 27.49" (698.25mm) Depth
Mounting Rail Distance	35.22" (894.59mm) to 42.52" (1080.01mm)
Weight	30 lbs (13.5 kg)
Interfaces	Software: CLI; Hardware: RJ45 (console or LAN)
Patch Panel Dimensions	19" Rack Mount: 6"(153.6mm) Width x 15.6"(398mm) Height

Safety 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)

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

EMC Compliance

- 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)

