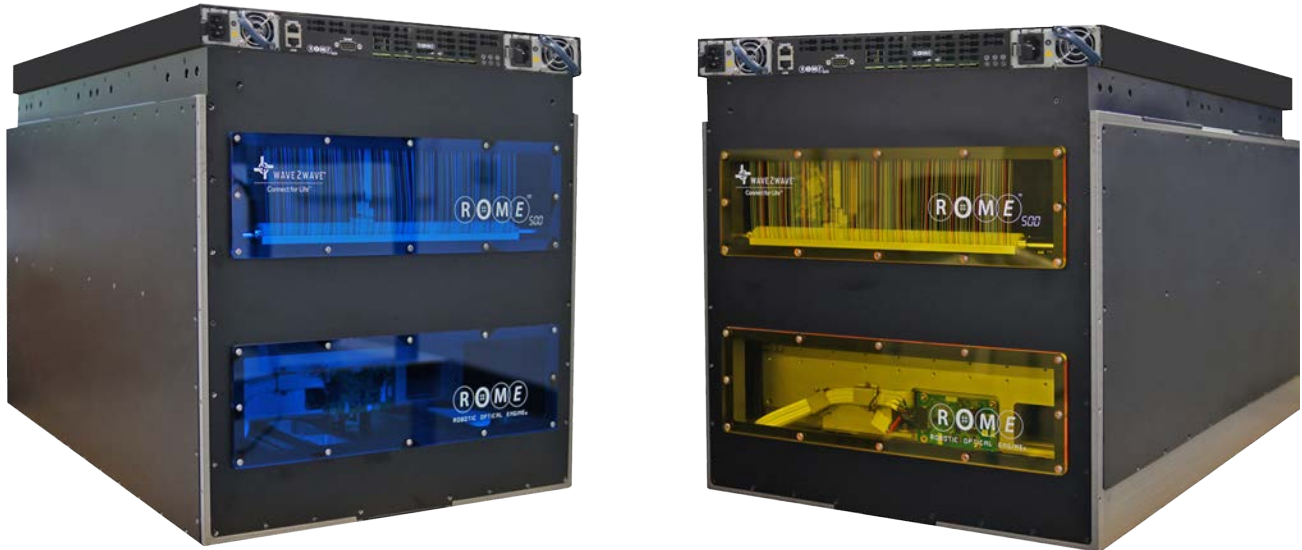


## ROME® - Robotic Optical Management Engine



### 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  |  |
|---|--|------------|--|
| <b>Optical Characteristics</b>                                  |  |            |  |
| Fiber   | 512 Fibers   |            |  |
| Configurations  | Duplex Tandem<br>Duplex East to West<br>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)   |            |  |
| <b>Power Requirements</b>                                       |  |            |  |
| 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<br>(ROME Chassis powered by LCU) |            |  |
| <b>Environmental Conditions</b>                                 |  |            |  |
| 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%  |            |  |
| <b>Mechanical Specifications for Main Chassis</b>               |  |            |  |
| 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)   |            |  |
| <b>Mechanical Specifications for Logical Control Unit (LCU)</b> |  |            |  |
| 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)   |            |  |
| <b>Network Interfaces</b>                                       | Ethernet: RJ45, Console: RJ45 and DB9  |            |  |

| Safety Compliance  | EMC Compliance  |
|--|---|
| <ul style="list-style-type: none"> <li>· ANSI/UL 60950-1 / CSA 60950-1 (USA / Canada)</li> <li>· EN60950-1 (Europe)</li> <li>· IEC60950-1 (International), CB Certificate &amp; Report Including All Group and Country Deviations</li> <li>· Low Voltage Directive 2006/95/CE (Europe)</li> </ul>        | <ul style="list-style-type: none"> <li>· FCC /ICES-003 - Emissions (USA / Canada)</li> <li>· CISPR 22/32 - Emissions (International)</li> <li>· EN55022/32 - Emissions (Europe)</li> <li>· EN55024 - Immunity (Europe)</li> <li>· EN 300 386 - Emissions &amp; Immunity (Europe)</li> <li>· EN61000-3-2 - Harmonics (Europe)</li> <li>· EN61000-3-3 - Voltage Flicker (Europe)</li> <li>· EMC Directive 2004/108/EC (Europe)</li> </ul> |
| <b>Additional Compliances</b> <ul style="list-style-type: none"> <li>· CE Declaration of Conformity (Europe)</li> <li>· FCC/ICES-003 Class A Verification Report (USA / Canada)</li> <li>· RoHS Compliant</li> <li>· Reach Compliant</li> <li>· In Process of Conflict Minerals Certification</li> </ul> |   |