# Fiber Smart NETWORKS

## ROME
ROBOTIC OPTICAL ENGINE®

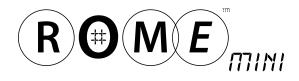# ROME™ mini



ROME enables physical fiber connections to be made automatically, remotely, quickly and without on-site manual intervention. ROME Mini is a smaller-scale robotic fiber switch that offers a self-contained form factor suitable for micro/modular data centers, small cells, PoPs, Telco Access networks and street cabinets.

ROME Mini delivers superior optical performance, low insertion loss and is transparent to transport protocols, wavelengths or bandwidth rates, making it a future-proof automated solution. The ROME Mini's unique automation capabilities can provide service and connectivity provisioning while ensuring significant savings on CAPEX and OPEX for network operators.

The ROME Mini brings Layer-0 automation to the edge and provides a solution for the demands of our new 5G world, where IoT, AI, self-driving cars and high end processing require a dynamic, nimble and software-defined network.



## Features & Benefits

- Automated Fiber Patch Panel
- Remotely Re-Configurable
- Single Mode or Multi-mode
- No Electronic Latency
- All Optical - Low Optical Loss
- Patented Mechanical Latching Technology
- CLI & GUI Interface
- Robotic Precision

## Applications

- Data Center Architecture
- Lab Automation
- Central Office / Remote Site Management
- FTTx - Remote Provisioning, Testing  and Grooming
- Co-Location / Carrier Hotel
- Edge Computing & Modular Data Center

| Specifications | ROME® Mini |
|---|---|
| **Optical Characteristics** | |
| Fiber | 204 Simplex, 102 Duplex |
| Fiber Type | Single Mode SMF-28e or Multi-mode OM4 |
| Patch Panel Interface | LC UPC Duplex |
| Insertion Loss | 1.0 dB Max (0.5 dB Typical) Patch panel to patch panel |
| Return Loss | Single Mode    -50 dB |
| | Multi-mode    -25 dB |
| Switching Time | 15 sec (Typical) |
| **Power Requirements** | |
| Power Supply Options | DC+DC |
| LCU Power Input | -48 Vdc; 8A |
| Power Consumption | 50W Standby       150W Peak |
| **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) |
| Humidity (non-condensing) | 5% to 95% |
| **Mechanical Specifications for Main Chassis** | |
| Dimensions | 19" Width (482 mm), 12.25" Height (311 mm), 20" Depth (508 mm) |
| Mounting Depth | 20" (508 mm) |
| Weight | 80 lbs (36 kg) |
| **Network Interfaces** | |
| Ethernet | RJ45 |
| Console | RJ45 & DB9 |

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