ROME™ mini
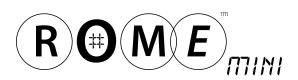

ROME enables physical fiber connections to be made automatically, remotely, quickly and without on-site manual intervention. ROME Mini is a smaller-scale robotic fiber switch that offers a self-contained form factor suitable for micro/modular data centers, small cells, PoPs, Telco Access networks and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