FiberSmart

ROME™ MINI

Mechanical Latching

7RU

Unibody Chassis

Integrated LCU

Single Matrix

Dual DC Power

2 Robotic
Control Units

204 Fibers

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.

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, 12.25" Height, 20" Depth
Mounting Depth	20"
Weight	81 lbs
Network Interfaces	
Ethernet	RJ45
Console	RJ45 & DB9

ROME™ MINI

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

FiberSmart

Integrated
Patch Panel

Splicing Option to
Existing ODF

Cable Managers

Slider Suspended
Mounting

Install Off the Rack
(e.g. under the floor)

Integrated LCU
to RCU Cabling