

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
- 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 / Remote Site Management
- FTTx - Remote Provisioning, Testing, Troubleshooting, and Grooming
- Co-Location / Carrier Hotel



Specifications	ROME® MAX	ROME® MAX ^T
Optical Characteristics		
Fiber	Up to 1,600	Up to 2,000
Fiber Type	Single Mode SMF-28e, Multi-mode OM4	
Patch Panel Interface	LC PC/UPC Duplex	
Insertion Loss	1.0 dB Max (0.5 dB Typical) Patch panel to patch panel	
Return Loss	Single Mode -50 dB UPC, -60 dB APC	
	Multi-mode -25 dB	
Switching Time	15 sec (Typical)	
Power Requirements		
Power Supply Options	AC+AC, DC+DC, or AC+DC Hot Swappable	
LCU Power Input	100-240 V; 50/60 Hz 4A per PSU, -48/-60 Vdc; 8A per PSU	
Power Consumption	220W Standby 600W (720W Peak) While Switching	275W Standby 750W (900W Peak) While Switching
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	24" (610mm) Width, 84" (2134mm) Height, 39" (991mm) Depth	24" (610mm) Width, 96" (2439mm) Height, 39" (991mm) Depth
Mounting Depth	39" and above	
Weight	1,324 lbs (601kg)	1,605 lbs (728kg)
Network Interfaces		
Ethernet	RJ45	
Console	RJ45 & DB9	

Safety Compliance
<ul style="list-style-type: none"> · 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
<ul style="list-style-type: none"> · 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
<ul style="list-style-type: none"> · 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)

