FiberSmart

ROME™ 128Q

Robotic Optical Management Engine

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.

The ROME 128Q has 1,024 Fibers with a MPO Interface for the patch panel. It comes in both Single Mode and Multi-Mode options.

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® 128Q
Optical Characteristics	
Fiber	1,024 Fibers
Configurations	8 Fiber Any to Any
Fiber Type	Single Mode SMF-28e, Multi-mode OM4
Patch Panel Interface	MPO
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	55W Standby 150W (180W 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)
Relative Humidity (non-condensing)	5% to 95%
Mechanical Specifications Per Main Chassis	
Rack Unit	19" -10RU
Dimensions	17.4" (442mm) Width, 17.5" (443mm) Height, 31" (791mm) Depth
Mounting Depth	29" (737mm) to 36" (915mm)
Weight	211 lbs (95kg)
Patch Panel	9RU back to back with main chassis in 36" mounting depth
Mechanical Specifications Per Logical Control Unit (LCU)	
Rack Unit	19" -1RU
Dimensions	17.5" (444mm) Width, 1.7" (44mm) Height, 27.5" (698mm) Depth
Mounting Rail Distance	29" (737mm) to 36" (915mm)
Weight	24 lbs (11kg)
Shipping Specifications	
Dimensions	L40" x W24" x H46"
Gross Weight	300 lbs (136kg) 344 lbs (156kg) with Sliders
Network Interfaces	Ethernet: RJ45, Console: RJ45 and 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	