

FiberSmart

WAVE 2 WAVE™

ROME  
ROBOTIC OPTICAL ENGINE®

ROME™  
128Q

ROME™  
128Q



FiberSmart

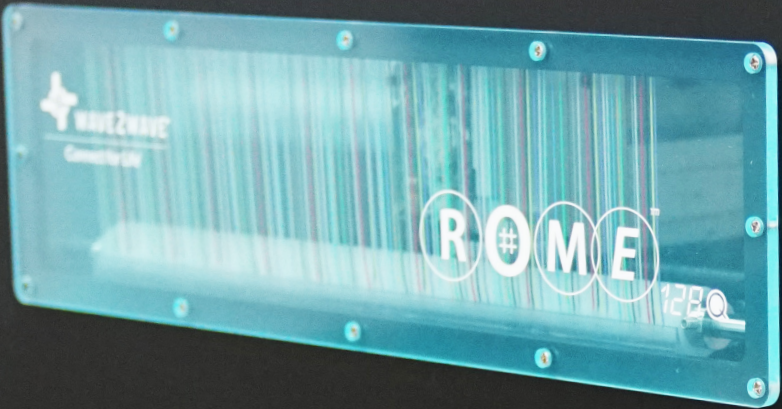
# Provision Connections Remotely

## Physical Infrastructure Automation

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Data centers are dependent on reliable fiber optic infrastructure to support mission critical applications. This need is addressed when robotic technology is combined with fiber optics, infusing the intelligence down to the physical layer.

Fiber Smart Network's global, cross-disciplinary engineering team optimizes this intersection with its newest innovation, ROME, a robotic fiber switch that can make hundreds of fiber connections through the click of a button.



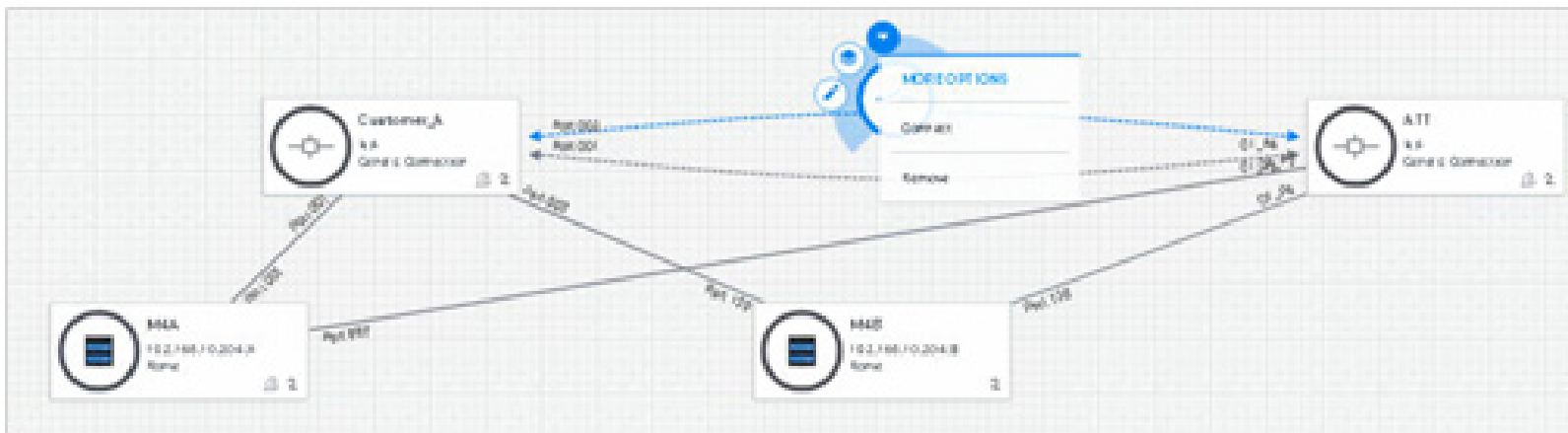


# Dynamic Cross-Connect via Robotic Automation

## Software Defined

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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. With ROME, network connections can be created anytime and anywhere. In fact, ROME's patented mechanical latching technology and fiber management fine tunes these connections to be as precise, stable and reliable as possible.



ROME<sup>™</sup>  
54Q

WAVE2WAVE  
Connect for Light  
ROME<sup>™</sup> 54Q

ROME<sup>™</sup>  
ROBOTIC OPTICAL ENGINE

IPADOUT

WAVE2WAVE  
ROME<sup>™</sup>  
ROBOTIC OPTICAL ENGINE

ROME<sup>™</sup> 128Q

ROME<sup>™</sup> 128Q

ROME<sup>™</sup>  
128Q

Specifications	ROME® 128Q
<b>Optical Characteristics</b>	
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)
<b>Power Requirements</b>	
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
<b>Environmental Conditions</b>	
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%
<b>Mechanical Specifications Per Main Chassis</b>	
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
<b>Mechanical Specifications Per Logical Control Unit (LCU)</b>	
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)
<b>Shipping Specifications</b>	
Dimensions	L40" x W24" x H46"
Gross Weight	300 lbs (136kg) 344 lbs (156kg) with Sliders
<b>Network Interfaces</b>	Ethernet: RJ45, Console: RJ45 and DB9

## Lights-Out Data Centers

- Robotic Patching, 100% accurate recordkeeping, zero human touch

## Automated Optical Distribution Frame (ODF)

- Provisioning in minutes vs. days or weeks, service restoration immediate

## Submarine Fiber Landing Station Automation

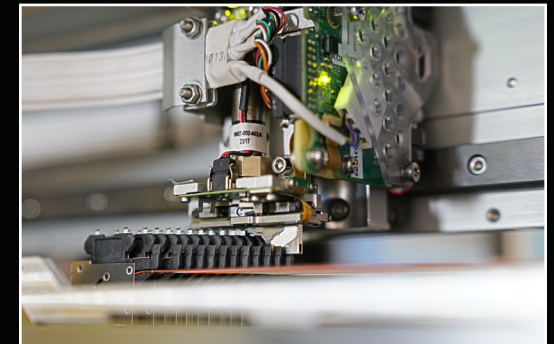
- Ultra long haul dark fiber management, true network visibility

## Data Center Bandwidth on Demand

- A la carte for data center customers, the “AWS” for physical connectivity

## Physical Network Security

- Achieving zero trust network, removing physical human dependency



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