

Are you still doing complicated patch panel connection by yourself?

Robotic Fiber Switch ROME



ROME (Robotic Optical Management Engine) is L1 switch, realizing optical connection automated by robot. ROME enables smart operation for fiber management at data centers and laboratories.

Who changed this line?

Removed wrong cable!!

The cables got entangled ...

Where does this cable go?

Elegant Fiber Management

Manual connection in front of patch panel tends to bring complicated cabling. ROME automated cross connection keeps well-ordered cabling around patch panel. Robotic cross connection also avoids human error of wrong connection and removal.

Easy to Manage

ROME500 manages connection status and system operation history. Only authorized users can operate ROME, thus retaining the system security level.

Remote Cross Connections

ROME500 realizes remote cross connection without visiting data centers and laboratories. Remote cross connection enables quite cost effective and eco friendly operation.



ROME 500



ROME mini

Compared with MEMS and O-E-O methods, ROME has the advantage of low insertion loss and maintaining connectivity in case of power outage.



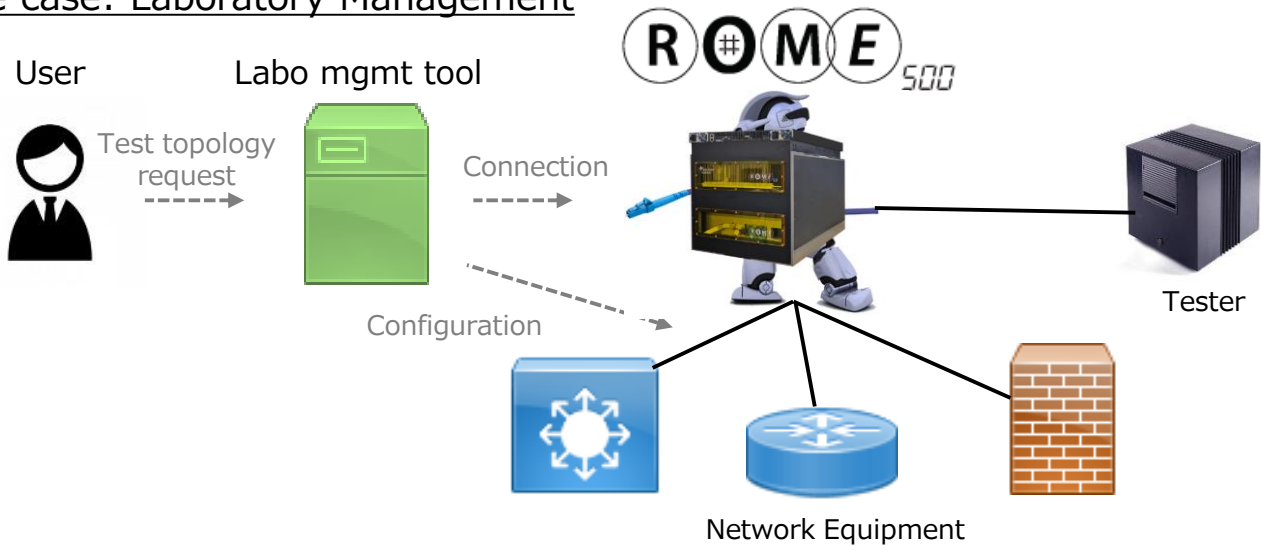
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■ Specifications

※LCU: Logical Control Unit

	ROME 500	NEW!! ROME mini
Dimensions	Main Chassis: 17.4"(442mm) Width, 17.5"(443mm) Height, 31"(791mm) Depth, 211lbs(95kg) LCU* : 17.5"(444mm) Width, 1.7"(44mm) Height, 27.5"(698.25mm) Depth, 24lbs(11kg)	19"(482mm) Width, 12.25"(311mm) Height, 20"(508mm) Depth, 80lbs(36kg)
Power Supply (per PSU)	LCU: 100-240V, 50/60Hz 4A or -48/-60 V, DC 8A Main Chassis: Supply from LCU	48 V, DC 8A
Power Consumption	55W (standby), 155W (switching)	50W (standby), 150W (switching)
Fiber	512 Fibers	192 simplex, 96 duplex
Rack Size	Main Chassis: 19", 10RU LCU : 19", 1RU	19", 7RU
Fiber Type	Single Mode SMF-28e, Multi-Mode OM4	
Insertion Loss	1.0dB Max (patch panel to patch panel), 0.5dB (Typical)	
Return Loss	Single Mode : -50dB (UPC), -60dB (APC) Multi-Mode : -25dB	
MGMT Interface	RJ45 (Ethernet) , DB9 (Console)	
UI/API	CLI, GUI	

Use case: Laboratory Management



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