Are you still doing complicated patch panel connection by yourself?

Robotic Fiber Switch
ROME500

Interop BEST OF SHOW AWARD 2019 Special Prize

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!!

Where does this cable go?

The cables got entangled …

Elegant Fiber Management

Manual connection in front of patch panel tends to bring complicated cabling. ROME500 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.
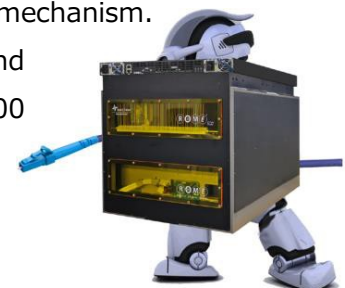
Remote Cross Connections

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

ROME500 manages optical cross connection automatically by robotic mechanism. Compared with MEMS and O-E-O methods, ROME500 has the advantage of low insertion loss and maintaining connectivity in case of power outage.
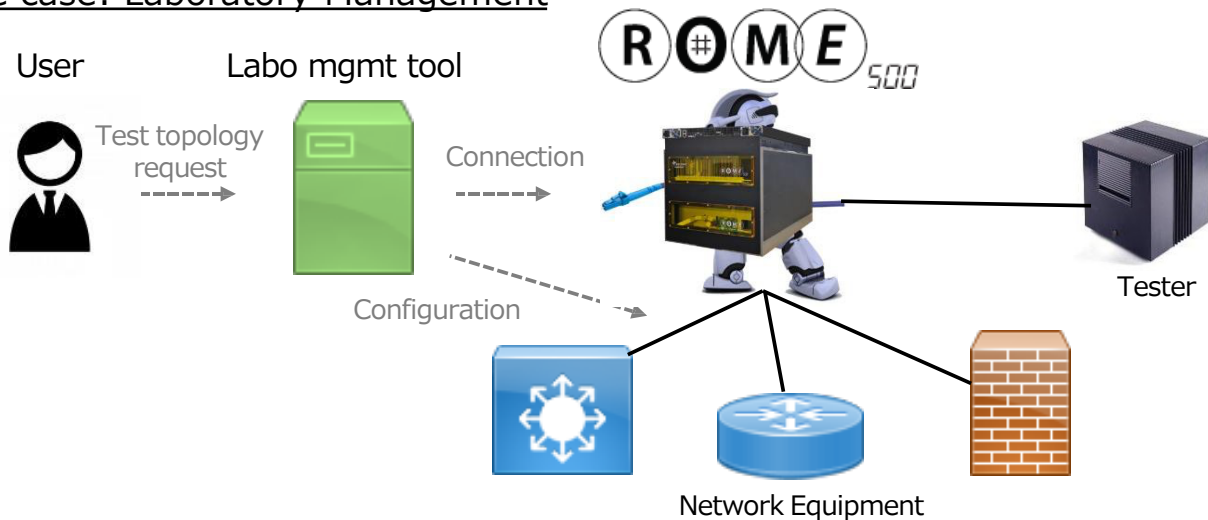
* images

■ Specifications

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)
Power Supply (per PSU)	LCU: 100-240V, 50/60Hz 4A or -48/-60 V, DC 8A Main Chassis: Supply from LCU
Power Consumption	55W (standby), 155W (switching)
Fiber	512 Fibers
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
Rack Size	Main Chassis: 19", 10RU LCU : 19", 1RU
MGMT Interface	RJ45（Ethernet）、DB9（Console）
UI/API	CLI、GUI

※Logical Control Unit

Use case: Laboratory Management

User — Labo mgmt tool — R O M E 500

Test topology request — Connection — Tester

Configuration — Network Equipment

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