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.

**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.

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

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

### Use case: Laboratory Management

**User**

- Test topology request

**Labo mgmt tool**

- Connection

**Network Equipment**

**Tester**

- Configuration

**ROME 500**

### Contact

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※LCU: Logical Control Unit