SMART LC 8-8 Patch Panels

Features

- Support 16 Duplex LC adapters (32 fibers), divided into two groups of 8 adapters in each 1U of rack space
- The ultimate solution for managing cross-connect environment in small communication rooms
- A pull-out drawer enables easy access to the fibers
- A wide range of fiber-optic cabling management accessories, including fiber management clips, splice cassettes, cable grounding kits, cable entry gland and more
- Pre-assembled LC adapters
- Single-Mode and Multi-Mode adapters available
- Adjustable rack mounting brackets allow for recessed panel mounting, enhancing cable protection
- Large work area for comfortable installation
- Rear cable entry cutouts including one cable entry gland
- Innovative SNMP real-time management of patch cord connections with RiT's PatchView™ system

SMART LC 8-8 Patch Panels

Features

PatchView™ Capability

- Special SMART LC 8-8 models, when used in conjunction with RiT's PatchView system, can scan fiber optic cabling configuration and subsequently report the connectivity status.
- Patching information is displayed on the management station for cabling management applications.
- LED indicators on panels identify any two ports patched together. This is extremely convenient for managing maintenance in mid-to-large size cross-connect installations over-congested with patch cords.
- Computerized LED displays guide the technician during *Moves, Adds and Changes* (MACs).

SMART LC 8-8 Patch Panels

Description

The SMART LC 8-8 Patch Panel is an intelligent, high-density fiber-optic patch panel offering the option of real-time physical network management with RiT's PatchView™ system. The SMART LC 8-8 Patch Panel is the ultimate solution for managing cross-connect environments in small communication rooms with a limited number of fibers. The SMART LC 8-8 patch panel supports up to 32 fibers, enabling cross-connection of 8 LC Duplex ports to 8 LC Duplex ports in 1U of the rack space.

The panels can be connected to the RiT PatchView system. The system continuously scans the connectivity configuration of all the patch cords and reports it using SNMP to the network administrator's management station.

A moving tray provides built-in cable management by holding and arranging the cables. This drawer provides easy access to the rear of the panel, and eliminates the need for removing the panel above.

Configurable rack mounting brackets allow for recessed panel mounting and enhanced cable protection. Cable strain relief is provided by using cable-ties on the exterior of the panel by rear cable entry glands, and in the interior of the panel, by means of strain relief saddles. Grounding points are provided on the panel's rear which, along with the optional F/O Cable Ground Kit, allows for grounding the armored fiber-optic cables.

RiT's LC SMART Jumper™ patch cords must be used in order to benefit from the advantages of the PatchView system. These cords, described in greater detail in the Fiber Optic Cables and Cords section of RiT's product catalog, feature a Duplex fiber cable and a single copper wire in a common jacket, and an LC Duplex connector with an extra spring-loaded copper contact. Regular LC patch cords can be used when PatchView scanning is not needed.

The panel includes four fiber management clips and one cable entry gland.

Accessories

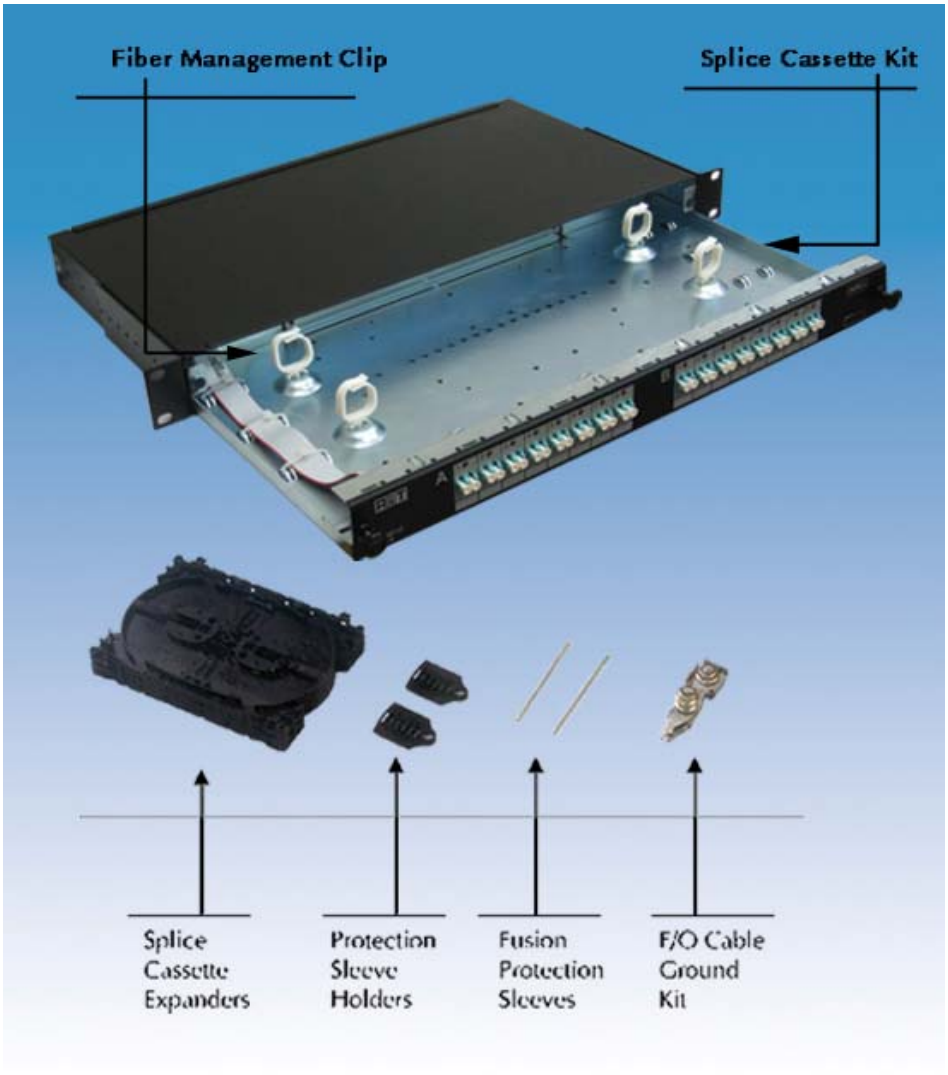
The SMART LC 8-8 Patch Panel offers a complete line of accessories to secure, organize, and protect fusion spliced fibers, including splice cassette kits, splice cassette expanders, fusion protection sleeves and protection sleeve holders. The stackable splice cassettes hold up to two protection sleeve holders each, for a total of 16 fibers per cassette.

Additional accessories are available to optimize cable protection and storage. Fiber management clip can be added to provide orderly excess cable storage, while maintaining minimum bend radius. Fully customizable cable entry glands can be assembled over the rear and side cable entry cutouts to further enhance cable strain relief.

SMART LC 8-8 Patch Panels

Description

SMART LC 8-8 with Optional Accessories



SMART LC 8-8 Patch Panels

Specifications

Interface

- **Front Inter-connection (patch cord side)**
  16 LC Duplex adapters and PatchView™ scanning contacts

- **Back Inter-connection (cabling side)**
  16 LC Duplex adapters

- **Interconnection to RiT's PatchView™ System**

  PVMax Panels – one 14-pin header on the panel's rear is used for connection to the PVMax Scanner. Select Group B Scanner Attachment Cord according to the required length.

- **Indicators**
  16 port identification indicator LEDs are located on the front panel. Connected ports are indicated by a pair of activated LEDs. A single port can be identified and the corresponding LED activated by a remote control command from the network management station.

- **Cable Entry, Routing and Clamping**
  Two rear cable entry cutouts are provided for cable entry including one cable entry gland. The cable-ties are attached through round holes located adjacent to the cable entry cutouts. Strain relief saddles provide cable strain relief within the panel.

- **Provisions for Fusion Splice Storage and Organization**
  Various accessories, including splice cassettes, fusion protection sleeves, protection sleeve holders, etc., can be ordered separately

- **Provisions for Excess Cable Storage**
  Four fiber management clips are included, and provide orderly excess cable storage while maintaining minimum bend radius

- **Provisions for Armored Cable Grounding**
  The optional F/O Cable Ground Kit can be used in conjunction with the two grounding points provided on the rear of the panel.

SMART LC 8-8 Patch Panels

Specifications

General

- **Physical**

Height	43.7 mm / 1.72" (1U)
Width	482.6 mm / 19" (adjustable to 23")
Depth	240 mm / 9.5" (face to rear)
Weight	(including adapters and packaging): 3.7 kg (8.2 lb)

- **Material**
  Steel
- **Colors**
  Black with gray silk-screened markings
- **Environment**

Operating Temperature	-10°C to 60°C
Storage Temperature	-10°C to 60°C
Humidity	0-90%, non-condensing

- **Compliance with International EMC Standards**
  The SMART LC 8-8 Patch Panel is designed to comply with EN-55022, Class B (Europe) and FCC Part 15, Subpart J, Class A (USA)