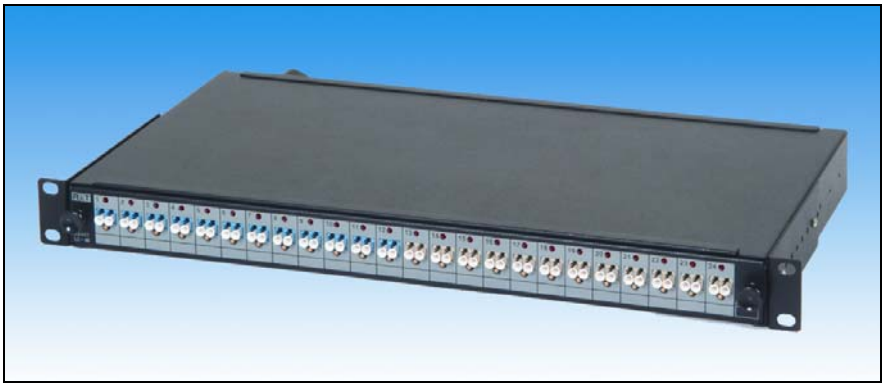
SMART SC 48 Patch Panels

Features



- Very high density, supports 24 duplex LC adapters (48 fibers) in 1U of rack space
- Pullout drawer enable ease of access to the fiber
- Wide range of fiber optic cabling management accessories, including fiber management clip, splice cassettes, cable grounding kits, cable entry gland and more
- Preassembled LC adapters
- Single mode and multi mode adapter available
- Configurable rack mounting brackets allow for recessed panel mounting, enhancing cable protection
- Large work area for comfortable installation
- Rear and side cable entry cutouts including one cable entry gland
- Innovative SNMP real-time management of patch cord connections with RiT's PatchView system

SMART SC 48 Patch Panels

Features

PatchView™ Capability

- Special SMART LC 48 models, when used in conjunction with RiT's PatchView system, are able to 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. Extremely useful for facilitating maintenance in mid-to-large size cross-connect installations which are over-congested with patch cords.
- Computerized LED displays guide the technician when performing Moves, Adds and Changes (MACs)

SMART SC 48 Patch Panels

Description

The SMART LC 48 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. With a footprint equivalent to one-half that of standard SC connectors, the LC connector is fast becoming the answer to the market's demand for increased optical port density. Utilizing the connector's small size and rugged design, the SMART LC 48 patch panel supports up to 48 fibers in just 1U of 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 in SNMP to the network administrator's management station.

A moving tray provides built in cable management by holding and arranging the cables. This drawer mechanism enables 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, enhancing cable protection. Cable strain relief is provided by using cable-ties on the exterior of the panel, by means of rear cable entry cutouts, as well as in the interior of the panel, by means of strain relief saddles. Grounding points are provided on the rear of the panel which, in conjunction with the optional F/O Cable Ground Kit, allow grounding of 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, feature a duplex fiber cable and 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 desired.

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

Accessories

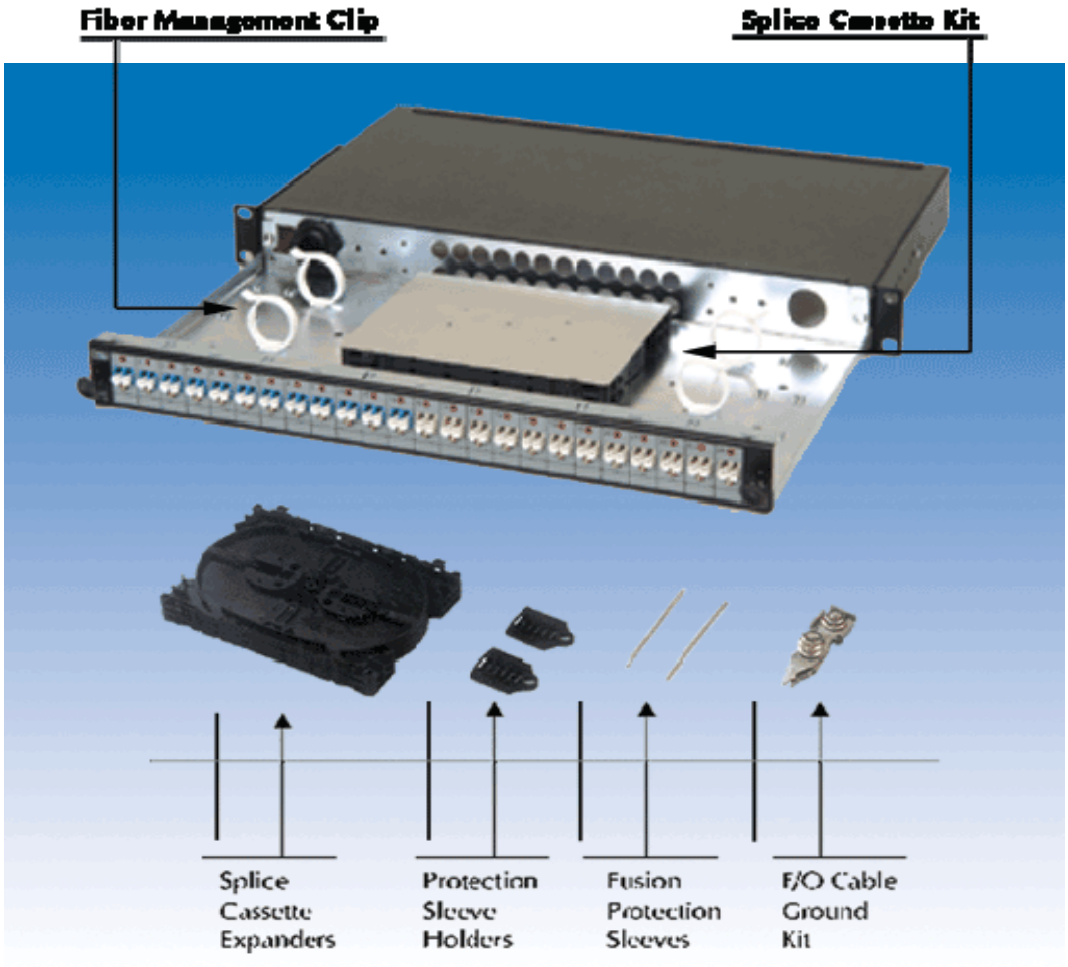
The SMART LC 48 Patch Panel offers a complete line of accessories to secure, organize and protect fusion spliced fibers; including splice cassette kits, splice cassette expanders, fusion protection sleeves and protection sleeve holders. The stackable splice cassettes hold up to two protection sleeve holders each, for a total of 16 fibers per cassette.

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

SMART SC 48 Patch Panels

Description

SMART LC 48 with Optional Accessories



SMART SC 48 Patch Panels

Specifications

Interface

- **Front Interconnection (patch cord side)**
  24 LC duplex adapters and PatchView scanning contacts

- **Back Interconnection (cabling side)**
  24 LC duplex adapters.

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

  - **PV Panels** – One 26-pin, 100-mil spacing header, is used to connect to the PatchView Scanner. Select a Scanner Attachment Cord according to the required length. Select Group A Scanner Attachment Cord according to the required length
  - **PVMax Panels** – One 14-pin header on the back of the panel is used for connection to the PVMax Scanner. Select Group B Scanner Attachment Cord according to the required length

- **Indicators**
  24 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 and two side 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., may be ordered separately.

- **Provisions for Excess Cable Storage**
  Four fiber management clips are included as accessories to provide orderly excess cable storage while maintaining minimum bend radius.

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

SMART SC 48 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	-40°C to 85°C
Humidity	0-90%, non-condensing

- **Compliance with International EMC Standards**
  The SMART LC 48 Patch Panel is designed to comply with EN-55022, Class B (Europe) and FCC Part 15, Subpart J, Class A (USA)