SMART SC 48 Patch Panels

Features

- High density, supports 24 duplex adapters (48 fibers) in a 2U rack space

- Wide range of fiber optic cabling management accessories, including fiber management clips, splice cassettes, cable grounding kits and more

- Preassembled SC to SC or SC to ST adapter options. Single mode or multi mode adapters available.

- PC and precision APC adapters for single mode applications

- Pull out drawer enable ease of access to the fibers

- Configurable rack mounting brackets allow for recessed panel mounting, enhancing cable protection

- Large work area for comfortable installation

- Rear and side cable entries 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 SC 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 overcongested with patch cords

- Computerized LED displays guide the technician while performing Moves, Adds and Changes (MACs)

SMART SC 48 Patch Panels

Description

Headings:

The SMART SC 48 Patch Panel is a new addition to the RiT family of SNMP manageable real-time connectivity products. The panels, which support 24 duplex adapters (48 fibers) in a 2U rack space, can be attached 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 does away with the need for removing the panel above.

Configurable rack mounting brackets allow for recessed panel mounting adjustable to both 19" and 23" width, enhancing cable protection. Cable strain relief is provided by using cable-ties on the exterior of the panel, by means of rear and side cable entries, 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.

The adapter panel includes two rows of 12 adapters, single mode or multi mode, spaced for easy access during operation and maintenance. Each port includes an SC to SC or SC to ST duplex adapter as well as an additional PatchView scanning contact. RiT's F/O SMART Jumper™ patch cords must be used in order to benefit from the advantages of the PatchView system.

SMART SC 48 Patch Panels

Description

These cords, described in greater detail in the Fiber Optic Cables and Cords section, feature a duplex fiber cable, a single copper wire in a common jacket, and an SC duplex connector with an extra spring-loaded copper contact. Regular SC patch cords can be used when PatchView scanning is not desired. The panel includes four fiber management clips and one cable entry gland.
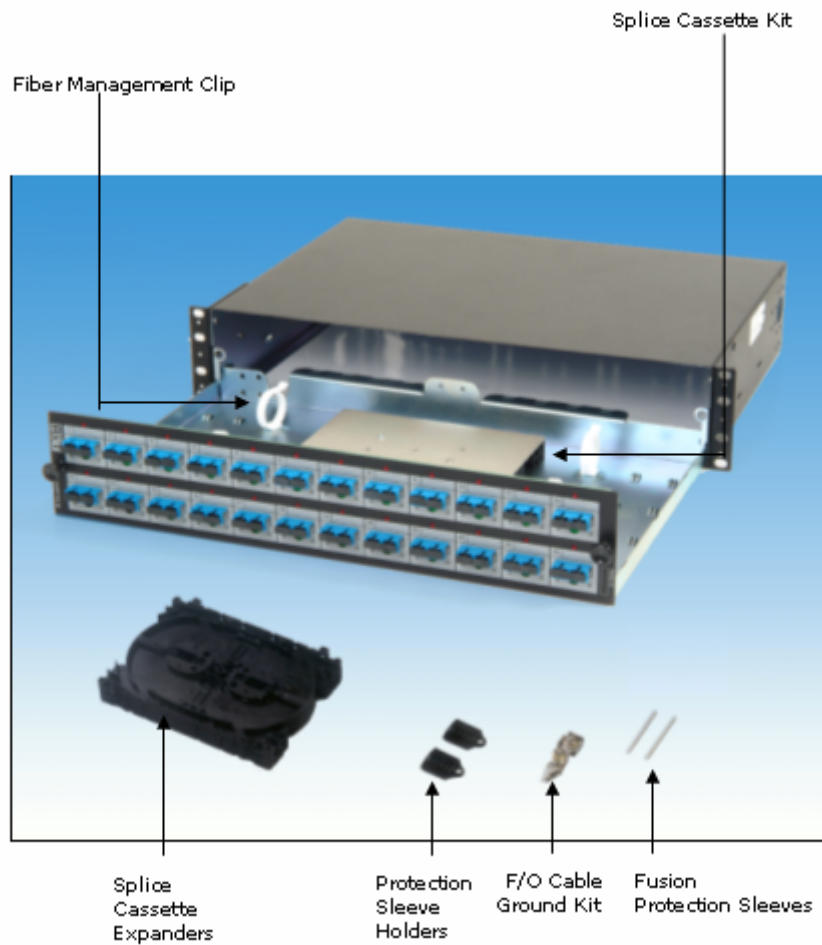
Accessories

The SMART SC 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 clips are included 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 entries to further enhance cable strain relief. When using armored cables, the F/O Cable Ground Kit can be attached to grounding points on the rear of the panel.

SMART SC 48 Patch Panels

Description

Fiber Management Clip

Splice Cassette Kit

Splice Cassette Expanders

Protection Sleeve Holders

F/O Cable Ground Kit

Fusion Protection Sleeves

SMART SC 48 Patch Panels

Specifications

Interface

- Front Interconnection (patch cord side)

   24 SC, duplex adapters and PatchView scanning contacts

- Back Interconnection (cabling side)

   24 SC or 24 ST duplex adapters. Maximum overall diameter of the ST connector should not exceed 11 mm.

- Interconnection to RiT's PatchView™ System

   One 26-pin, 100-mil spacing header, located on the lower rear side and marked H1, is used to connect to the PatchView Scanner. Select a Scanner Attachment Cord according to the required length.

- Indicators (PatchView models only)

   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 entries are provided including one cable entry gland. Cable-ties are used for cable routing and clamping. 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

   4 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	88.1 mm / 3.5" (2U)
Width	482.6 mm / 19"
Depth	320 mm / 11.8" (face to rear)
Weight	(including adapters and packaging): 2.8 kg (6.5 lb)

- **Material**
  SAE 1020 (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 SC 48 Patch Panel is designed to comply with EN-55022, Class B (Europe) and FCC Part 15, Subpart J, Class A (USA).