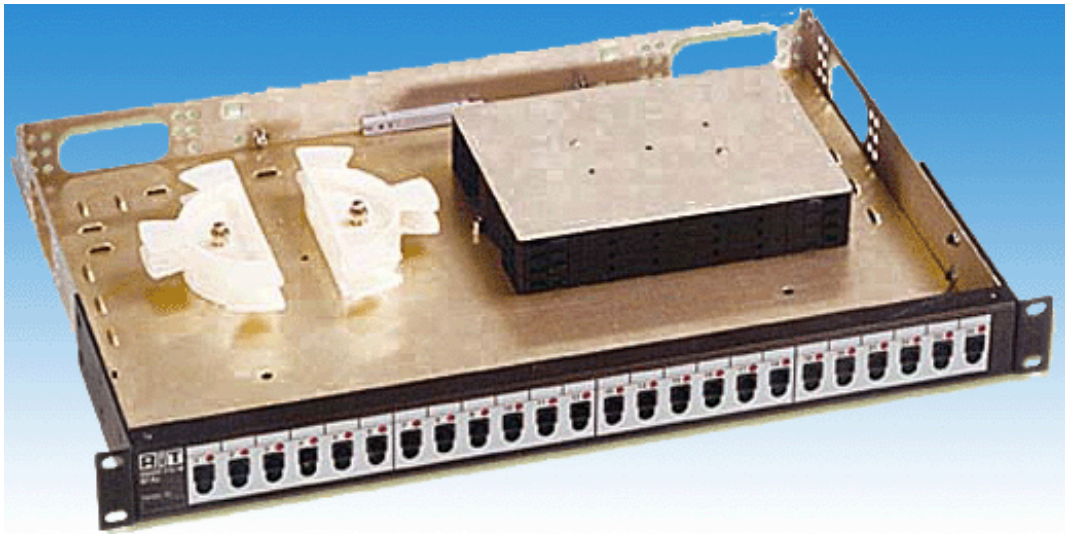


SMART MT-RJ 48 Patch Panels

Features



- Very high density, supports 24 duplex MT-RJ adapters (48 fibers) in 1U of rack space
- Wide range of fiber optic cabling management accessories, including routing rings, splice cassettes, cable grounding kits, cable entry panels and more
- Preassembled MT-RJ adapters
- Configurable rack mounting brackets allow for recessed panel mounting, enhancing cable protection
- Optional top cover protects cables from accidental damage and dust
- Large work area for comfortable installation
- Rear and side cable entry cutouts with provisions for cable-ties
- Innovative SNMP real-time management of patch cord connections with RiT's PatchView system

SMART MT-RJ 48 Patch Panels

Features

PatchView™ Capability

- Special SMART MT-RJ 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 MT-RJ 48 Patch Panels

Description

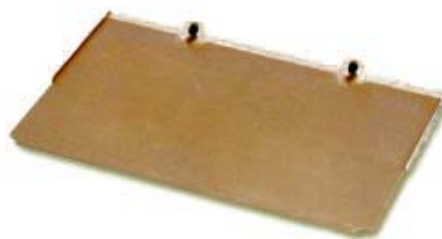
The SMART MT-RJ 48 Patch Panel is an intelligent, high-density fiber optic patch panel offering the option of real-time physical network management with RiT's PatchView system. The SMART MT-RJ 48 patch panel supports up to 48 fibers in just 1U of rack space.

The panels 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.

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 and side 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.

The adapter panel includes one row of 24 adapters spaced for easy access during operation and maintenance. Each port includes an MT-RJ 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. 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 MT-RJ duplex connector with an extra spring-loaded copper contact. Regular MT-RJ patch cords can be used when PatchView scanning is not desired.

Accessories



SMART F/O 48 - Top Cover

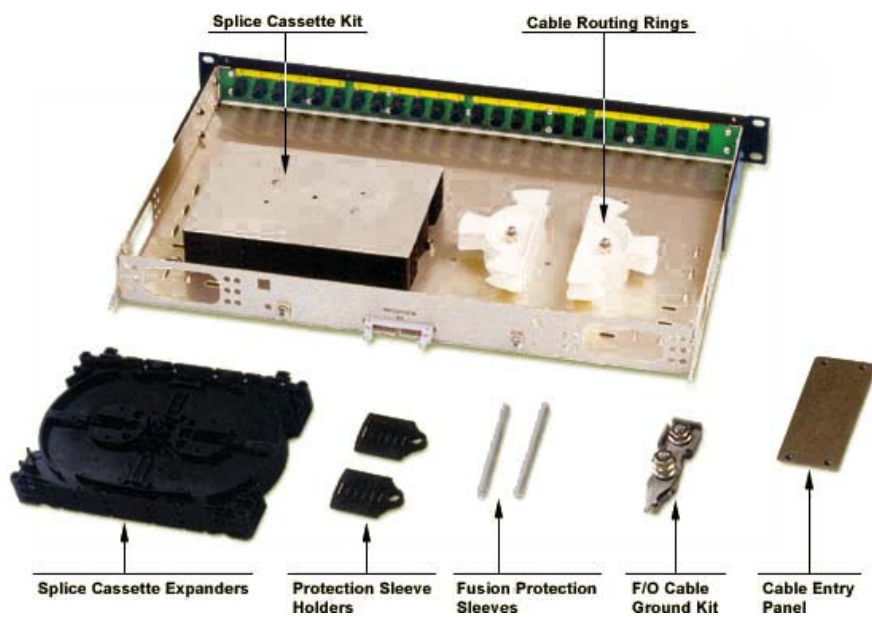
The SMART MT-RJ 48 Patch Panel offers a complete line of accessories to secure, organize and protect fusion spliced fibers; including splice cassettes, splice cassette covers, fusion protection sleeves and protection sleeve holders. The stackable splice cassettes hold up to two protection sleeve holders each, for a total of 12 fibers per cassette.

Additional accessories are available to optimize cable protection and storage. Cable routing rings may be added to provide orderly excess cable storage, while maintaining minimum bend radius. Fully customizable cable entry panels for cable entry glands may be assembled over the rear and side cable entry cutouts 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 MT-RJ 48 Patch Panels

Specifications

SMART F/O 48 with Optional Accessories



SMART MT-RJ 48 Patch Panels

Specifications

Interface

- **Front Interconnection (patch cord side)**
24 MT-RJ duplex adapters and PatchView scanning contacts.
- **Back Interconnection (cabling side)**
24 MT-RJ duplex adapters.
- **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.
- **LEDs**
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. 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**
Cable routing rings may be ordered 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 MT-RJ 48 Patch Panels

Specifications

General

- **Physical**

Height	44.0 mm / 1.75" (1U)
Width	482.6 mm / 19"
Depth	300 mm / 11.8" (face to rear)
Weight	(including adapters and packaging): 2.8 kg (6.5 lb)

- **Material**

Aluminum

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