

Patch Panel Accessories

Vertical Rings

Vertical management rings provide high flexibility for front or back vertical cable management. These rings are typically mounted directly to the vertical rails of a 19 inch rack. When mounted, the rings extend from the panel providing a vertical through for cable or patch cord management.

90-VR2

Large Ring, Single Entry

90-VR1

Small Ring, Single Entry



90-VR4

Large Ring, Double Entry

90-VR3

Small Ring, Double Entry



Rack Grounding Kit

For universal rebounding kit for relay racks and mount accessories

90-RMGRK

Relay Rack Grounding Kit



Rack Screws

Rack screws for wall mount and relay rack

90-SC10-32

10/32" x 5/8" Rack Screw, 30 per bag

90-SC12-24

5/8" Rack Screw, 30 per bag



Cage Nut, Screw, Washer

90-SC-CAGE NUT

Caged Nut, Screw, Washer. 20 pieces per package



Patch Panel Accessories

Blank Panels

Blank panels are designed to fill the open space between system panels on a standard 19 inch rack.

90-1.75B1

1.75" x 19" Blank Filler Panel



90-3.5B1

3.5" x 19" Blank Filler Panel



90-5.25B1

5.25" x 19" Blank Filler Panel



90-7.5B1

7.5" x 19" Blank Filler Panel

Hinged, Wall Mount Brackets

The hinged, wall mount brackets can be mounted directly to the wall. The 19 inch wide wall mount brackets are manufactured with a 6 inch depth to provide easy cable management and prevent excessive bending of cables in accordance with TIA-568-A standards. The wall mount brackets also provide a rear cable entry opening and hinged panel mount tab designed to provide easy cable access. Uses standard EIA hole pattern.

90-1.75WMB

1.75 in. High



90-3.5WMBL

3.5 in. High 12 in. Deep 19.5 in. Wide



90-5.25WMB

5.25 in. High



Also Available:

90-3.5WMB 3.5 in. High (Not Shown)

90-7.5WMB 7.5 in. High (Not Shown)

90-10.5WMB 10.5 in. High (Not Shown)

Relay Rack Cable Management

Cable Management Panels

We offer cable management components that are practical and promote proper installation and handling of telecommunications cable. These panels protect your cables while keeping them neat, clean and easy to follow.

1.75" Finger Duct Panel

The 1.75 inch finger duct panel provides cable management for concealment.

90-CMP-41-FD 1.75 in. Finger Duct Cable Manager



3.5" Finger Duct Panel

The 3.5 inch finger duct panel provides cable management for concealment.

90-CMP-42-FD 3.5 in. Finger Duct Cable Manager



1.75" Clip Panel

The 1.75 inch panel combines two vertical distribution rings with 24 individual routing clips for patch cord organization and guidance.

90-CMP-41 2 Vertical Rings, 24 Plastic Clips



3.5" Clip Panel

The 3.5 inch panel combines four horizontal and four vertical distribution rings with 24 individual routing clips for patch cord organization and guidance.

90-CMP-42 4 Vertical Rings, 4 Horizontal Rings, 24 Plastic Clips



1.75" Interbay Panel

The 1.75 inch Interbay Panel reduces cable bundle congestion and tension with five horizontal rings. Large ring openings allow for easier cable access at the front or the back of the distribution rack.

90-CMP-51 5 Horizontal Rings



3.5" Interbay Panel

The 3.5 inch Interbay Panel reduces cable bundle congestion and tension with five horizontal rings. Large ring openings allow for easier cable access at the front or the back of the distribution rack.

90-CMP-52 5 Horizontal Rings



Relay Racks

Distribution Racks

The EIA standard 19 inch racks are designed for the ultimate in configuration flexibility. The 6061-T6 high strength aluminum alloy makes these racks lightweight and durable with excellent grounding characteristics.

The 19" standard rack includes:

- Roll taped threading (12/24" Standard) on both front and back
- Slotted hole design on the base for easy adjustment
- Two angled cross members for maximum strength
- Compatibility with any cabinet or rack that conforms to
- EIA-310-D spacing (5/8", 5/8", 1/2") standard specifications
- Easy assembly
- 30 high quality, pilot point screws

90-4090-4 4 ft. (48 in.) Rack

90-4090-7 7 ft. (84 in.) Rack



Wall Mount Relay Racks

Versatile wall mount racks swing open either direction. Available in 2 or 4 feet models. 70 lb. weight capacity.

90-4090-2WM 2 ft. Wall Mount Rack, 23.5" H x 20.6" W x 18" D

90-4090-4WM 4 ft. Wall Mount Rack, 46.3" H x 20.6" W x 18" D



Vertical Hinged Wall Mount Relay Racks

This wall mount rack is hinged vertically for easy rear access. 60 lb. weight capacity. 8 rack spaces.

90-4090-18VH 19.75" W x 16.25" H x 8" D, Vertical Relay Rack



Floor Standing Cabinets

All floor standing cabinets include assembly hardware and a grounding kit. All units are shipped unassembled.

90-4090-7EN Height 84" x Depth 32", 45 U (Levels)

90-4090-2EN Height 24" x Depth 24", 20 U (Levels)



90-4090-7EN

90-4090-2EN

Wall Mount Cabinets

Double cooling fan available, increased heat, fits out of the way in recessed area.

90-4090-2EN Height 24" - Depth 20" - Levels 12

90-4090-FAN2 2 Fan Assembly for Free Standing Cabinets

90-4090-FAN4 4 Fan Assembly for Free Standing Cabinets



90-4090-FAN4

90-4090-FAN2

Rack Shelves & Trays

Relay Rack Power Strip

These power strips work great for data communication cabinets and racks. Surge and noise suppression, resettable circuit breaker, surge indicator light, 15 Amps/125 Volts. 3 strips available from stock. Other choices available upon request.

WSP-1500WB 15 Outlets, 48 in., 15 AMP, 15 ft. Cord



Rack Mount Power Strip

Our rack mount power strips are designed to work with any 19 inch relay rack system. Surge and noise suppression, resettable circuit breaker, surge indicator light and 15 Amps/125 Volts.

WSP-900RM-15 9 Rear Outlet, 15 ft. Cord W/Full Surge and Filters



Equipment Shelves

These shelves are specially designed to exceed the practical weight requirements of any communications closet. The single shelf unit easily accommodates bulky equipment. The double shelf unit is perfect for heavier equipment including computers, modems, etc. All shelf units are coated with a durable black powder finish.

- 90-ESW-10** 19" W x 14" D Single Shelf, Cantilevered
- 90-ESW-20** 19" W x 19" D Double Shelf, Center Weight
- 90-ESW-30** Sliding Shelf for Racks, 16" Depth
- 90-CES-24F** Fixed Shelf for Cabinets 24" Depth
- 90-CES-24S** Sliding Shelf for Cabinets 24" Depth



Keyboard Tray

The keyboard tray slides in and out on a ball bearing track for easy access. The keyboard tray is made of high quality steel and is coated with a durable black powder finish.

- 90-KBT-2** Sliding Keyboard Tray W/Mouse Tray
- 90-KBT-3** Sliding Keyboard Tray

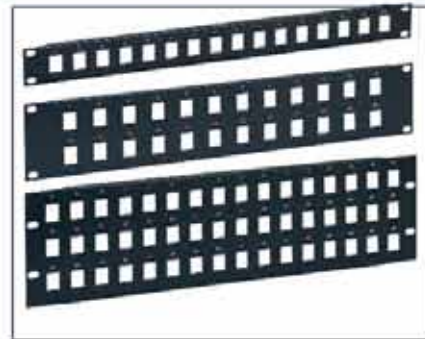


Patch Panels

Blank Patch Panels

The blank patch panels are pre-numbered, reinforced steel panels that accept any combination of RJ, BNC, MMJ or Fiber Optic modules. The panel can be mounted on standard 19 inch racks or wall mount brackets. These panels work great for custom designing your own media centers.

90-012PP	12 Port, 1.75 in., 1 Rack Space
90-016PP	16 Port, 1.75 in., 1 Rack Space
90-024PP	24 Port, 3.5 in., 2 Rack Space
90-032PP	32 Port, 3.5 in., 2 Rack Space
90-048PP	48 Port, 5.25 in., 3 Rack Space
90-064PP	64 Port, 7 in., 4 Rack Space
90-096PP	96 Port, 10.5 in., 6 Rack Space
90-0128PP	128 Port, 14 in., 8 Rack Space



110 Type Category 5e Patch Panels

These 110-type Category 5e patch panels support data transmission bandwidths up to 350 MHz for UTP cabling systems utilizing Category 5e compliant cabling. Terminations are standard TIA color-coded 110-type IDC on the back of the panel. The panels are available with 24, 48, 72, and 96 port configurations in addition to a 12 port vertical configuration. These panels are designed for high-speed data applications utilizing 22-24 AWG.

90-24PPC5E	24 Port 568A/B Patch Panel
90-48PPC5E	48 Port 568A/B Patch Panel
90-72PPC5E	72 Port 568A/B Patch Panel
90-96PPC5E	96 Port 568A/B Patch Panel



CATV Patch Panels

These CATV patch panels are available loaded with F81 inline barrel connectors.

90-12PP-291	12 Port CATV Patch Panel
90-16PP-291	16 Port CATV Patch Panel
90-24PP-291	24 Port CATV Patch Panel
90-32PP-291	32 Port CATV Patch Panel
90-48PP-291	48 Port CATV Patch Panel



DB Patch Panels

These DB patch panels are available loaded with DB Style inline couplers.

90-DB9-16PP	DB9 Female/Female, 16 Port
90-DB15-16PP	DB15 Female/Female, 16 Port
90-DB25-16PP	DB25 Female/Female, 16 Port



Blank Panels

These blank patch panels are great for the CATV designer.

90-24PP-3/8	24 Port, Unloaded Panel W/3/8" Hole
90-32PP-3/8	32 Port, Unloaded Panel W/3/8" Hole
90-48PP-3/8	48 Port, Unloaded Panel W/3/8" Hole
90-24PP-1/2	24 Port, Unloaded Panel W/1/2" Hole
90-32PP-1/2	32 Port, Unloaded Panel W/1/2" Hole
90-48PP-1/2	48 Port, Unloaded Panel W/1/2" Hole

