**Sales Catalog of HNK Telecommunication Products**

**Fiber Optic Patch Panel**

# Fiber Optic Patch Panel Series

Fiber optic patch panel is an integrated unit for fiber management, we offer wall mounted fiber optic patch panel and rack mounted fiber optic patch panels, these equipment function is to fix and manage the fiber optic cables inside the box as well as provide protection.

Made of Cold Rolled Steel with corrosion-resistant black powder finish coat housing provides excellent protection for the inside fibers. Since these adaptor plates are versatile, they can be tailored to suit your individual needs in terms of density or management. A large variety of connector adaptors are offered to meet your specific requirements. Such as SC, FC, ST, LC, etc, we can also pre-install various kinds of fiber optic pigtails inside the patch panel.

## Standards Compliance

- TIA/EIA 568.C, ISO/IEC 11801, ENS50173, IEC60304, IEC61754, EN297-1
- CEA/EIA-310-E (Cabinets, Racks, Panels and Associated Equipment standard.)
- ANSI/TIA/EIA-606-A (Administration Standard for Telecommunications Infrastructure.)
- GR-449-CORE (Generic Requirements and Design Consideration for Fiber Distributing Frames.)
- UL 94 (Tests for Flammability of Plastic Material for Parts in Devices and Appliances.)
- RoHS (Directive on Restriction of Hazardous Substances.)

## Features

- Available in 1RU, 2RU, and 4RU Configurations, light in weight and robust structure.
- Multiple internal mounting holes for cable tie-down, fiber management or splice tray mounting.
- Equipped with routing guides to limit bend radius. fiber optic cable bend radius not less than 40mm.
- Suitable for tight buffered or loose-tube optical fiber cables.
- With various adaptor plates to fit different fiber Connector interface (ordered separately).

## Ordering Information

Using the available configurations amend/create product codes using the formula below.

Part Number：　XX-AA-BBC(DEF)

## Ordering Guide

| XX | Patch Panel Type | **WPP**=Wall Mount Patch Panel, **RPP**=Rack Mount Patch Panel |
|---|---|---|
| AA | Product ID | Please See the RefErrence Below |
| BB | Port Capacity | 12=12 Ports, 18=18 Ports, 24=24 Ports, 36=36 Ports |
| C | Configuration | E=only patch pane, L=With Adaptor Panels, F=With Adaptor Panels and Pigtails |
| D | Connector Type | FP, SP, SA, LP |
| E | Fiber Type | OM1=62.5/125 OM1, OM2=50/125 OM2, OM3=50/125 OM3, OM4=50/125 OM4, G652D=9/125 G652D, G657A=9/125 G657A |
| F | Fiber Length | 05=0.5M, 10=1M, 20=2M |

## Connector Type Code

| Code | Connector | Code | Connector | Code | Connector | Code | Connector |
|---|---|---|---|---|---|---|---|
| **FP** | FC/PC | **FA** | FC/APC | **LP** | LC/PC | **LA** | LC/APC |
| **SP** | SC/PC | **SA** | SC/APC | **TP** | ST/PC | **TA** | ST/APC |

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# Fiber Optic Patch Panel with Mechanical Sliding Mechanism
## (RPP-BP1, RPP-BP2)

1U Fiber Optic Patch Panel could accommodate 3 adapter panels and terminate a range of 18 to 36 fiber connection, enable terminating, splicing, distributing and storage of fiber optic cables in a compact 1U spaces. The high density 2U Rack Mount Panel could accommodate 6 long adaptor plates and terminate a range of 36 to 72 fiber connection.

The panels have a sliding mechanism with a defined stop, which prevents the drawer from being pulled out completely and offers the installer a comfortable handling.

## Features

- Magnetic lock system ensures easy closing/opening.
- Easy access with slide-in pull-out system.
- Cable guide design, easy for cable management and storage.
- Sliding drawer for easy access to both front and rear.
- Glossy black powder-coated for a long-lasting, rust resistant finish.
- Extended depth, allow more working space for splicing applications or cable storage.
- 1U rackmount can be loaded with up to 3 panels, 2U rackmount can be loaded with up to 6 panels (6-, 8-, or 12- fiber panels).
  Can load SC, FC, ST, LC adapter, only change the different plates.

## Specifications

| Patch Panel | | Adaptor | |
|---|---|---|---|
| Size（H×W×D ）mm | 1U(H) x 19" (W) x 350mm(D) <br> 2U(H) x 19" (W) x 350mm(D) | Multimode Insertion Loss | 0.2dB Maximum |
| Material | 1.2mm Cold Rolled Steel | Singlemode Insertion Loss | 0.2dB Maximum |
| Material Coating | painted glossy black | Mating durability | >500 Mating Cycles |
| Humidity | 0-90%, non-condensing | Multimode Adaptor Wavelength | 850 to 1300nm |
| Operating Temperature | -10°C to 60°C | Singlemode Adaptor Wavelength | 1310 to 1550nm |
| Storage Temperature | -40°C to 85°C | ROHS Compliant | Yes |

## Ordering Sample

| Part Number | Description |
|---|---|
| RPP-BP2-E | 2U RPP-BP Type Rack Mount Patch Panel Without Adaptor Plate And Pigtail. |
| RPP-BP1-36FLPG652D15 | 1U 36 Fibers RPP-BP Type Rack Mount Patch Panel With Duplex LC/PC SM Adaptor And 1.5M Singlemode G652D LC/PC Pigtail. |

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# Fiber Optic Patch Panel

# Adaptor Plate Series

HNK offers two type of adaptor plates for use in different fiber optic patch panel. Long type adaptor plate and short type adaptor plate. Our standard plates come in 6-, 8- and 12-pack styles and are constructed with a durable powder coated finish. These plates offer users the ability to add terminations incrementally. Simple captive push/pull fasteners make these plates easy to install and remove for service.

Short type adaptor plate are pre-loaded with 6 (single density), 8 (single density) or 12 (double density) adaptor. Blank adaptor plates shall be available to fill unused areas.

## Standards Compliance

Meets all applicable standards. Compliant with TIA/EIA-568-C.3

## Features

- Offers flexibility in adding or changing connector style
- 6-, 8-, and 12-pack plates available, Blank plates available.
- Captive push/pull fasteners allow for quick tool-less installation
- Adaptor plates feature multiple style adaptors

## Short Type Adaptor Plate

| Part Number | Description | Drawing | |
|---|---|---|---|
| SAP-06ST | ST Adaptors with Plate, Fully Loaded-6 Ports | | |
| SAP-08ST | ST Adaptors with Plate, Fully Loaded-8 Ports | | |
| SAP-06FC | FC (D type) Adaptors with Plate, Fully Loaded-6 Ports | | |
| SAP-08FC | FC (D type) Adaptors with Plate, Fully Loaded-8 Ports | | |
| SAP-D12SC-CL | Duplex SC Adaptors with Plate, Fully Loaded-12 ports | | |
| SAP-12LC-CL | Duplex LC Adaptors with Plate, Fully Loaded-12 ports | | |
| SAP-24LC-CL | Quad LC Adaptors with Plate, Fully Loaded-12 ports | | |
| SAP-00 | Blank Adaptor Plate | | |

Note:

"CL"=Color(CL), "BL"="Blue", "BG"="Beige", "AQ"="Aqua", "GR"="Green".

Blue for Singlemode PC Adaptor Standard, Beige for Multimode Adaptor Standard, Aqua for OM3/OM4 Adaptor Standard and green for single mode APC Adaptor(Metal unsuited).