

## 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, EN50173, IEC60304, IEC61754, EN297-1
- CE/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	<b>WPP</b> =Wall Mount Patch Panel, <b>RPP</b> =Rack Mount Patch Panel
<b>AA</b>	Product ID	Please See The Reference Below
<b>BB</b>	Port Capacity	12=12 Ports, 18=18 Ports, 24=24 Ports, 36=36 Ports
<b>C</b>	Configuration	<b>E</b> =only patch pane, <b>L</b> =With Adaptor Panels, <b>F</b> =With Adaptor Panels and Pigtails
<b>D</b>	Connector Type	<b>FP, SP, SA, LP</b>
<b>E</b>	Fiber Type	<b>OM1</b> =62.5/125 OM1, <b>OM2</b> =50/125 OM2, <b>OM3</b> =50/125 OM3, <b>OM4</b> =50/125 OM4, <b>G652D</b> =9/125 G652D, <b>G657A</b> =9/125 G657A
<b>F</b>	Fiber Length	<b>05</b> =0.5M, <b>10</b> =1M, <b>20</b> =2M

### Connector Type Code

Code	Connector	Code	Connector	Code	Connector	Code	Connector
<b>FP</b>	FC/PC	<b>FA</b>	FC/APC	<b>LP</b>	LC/PC	<b>LA</b>	LC/APC
<b>SP</b>	SC/PC	<b>SA</b>	SC/APC	<b>TP</b>	ST/PC	<b>TA</b>	ST/APC

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## 4U Rack Mount Patch Panel (RPP-HP)

4U Fiber Optic Panels are available with various designs. The 19" Rack Mountable Panels come in 4U in height. These panels are suitable for direct termination and/or splicing of fiber optic cables. Accessories include splice trays, splicing tubes, cable gland and

wire management. The 4U Rack Mount Panel can terminate up to 144 fibers for ST, SC or FC connectors or 288 fibers with LC connectors.



### Features

- Providing protective connections for optical fibers and distribution pigtails.
- Insulating fiber metal components from fiber-end shells and conveniently leading out grounding wires.
- Providing spaces for placing fiber terminals and redundant fibers, thus making installation more convenient.
- Multiple installation methods are available, e.g. rack-mounting in the trough.
- Can be loaded with up to 12 long adaptor plates with 6-port or 12-port, FC, SC, ST, LC connector are applied.

### Specifications

Patch Panel		Adaptor	
Size (H×W×D ) mm	4U(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	Powder	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
<b>RPP-HP-E</b>	4U RPP-HP Type Rack Mount Patch Panel Without Adaptor Plate And Pigtail.
<b>RPP-HP-72FSPG652D15</b>	4U 72 Fibers RPP-HP Type Rack Mount Patch Panel With Simplex SC/PC SM Adaptor And 1.5M Singlemode G652D SC/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.

Long type adaptor plates are pre-loaded with 6 (single density) or 12 (single density or double density) adaptor. A blank adaptor plate is also available and can be used with patch panel to fill in unused adaptor plate openings.

















#### Standards Compliance



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

#### Features

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

#### Long Type Adaptor Plate

Part Number	Description	Drawing	
LAP-00	Blank Adaptor Plate		
LAP-06ST	Simplex ST Adaptors with Plate, Fully Loaded-6 Ports		
LAP-12ST	Simplex ST Adaptors with Plate, Fully Loaded-12 Ports		
LAP-06FC	Simplex FC (D type) Adaptors with Plate, Fully Loaded-6 Ports		
LAP-12FC	Simplex FC (D type) Adaptors with Plate, Fully Loaded-12 Ports		
LAP-06SC-CL	Simplex SC Adaptors with Plate, Fully Loaded-6 ports		
LAP-S12SC-CL	Simplex SC Adaptors with Plate, Fully Loaded-12 ports		
LAP-D12SC-CL	Duplex SC Adaptors with Plate, Fully Loaded-12 ports		

LAP-12LC-CL	Duplex LC Adaptors with Plate, Fully Loaded-12 ports		
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**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).