

# Keywerks 1U/48-Port FTP HD Rack Mount Patch Panel

Keywerks™ 1U/48-Port FTP High-Density Rack Mount Patch Panels reduce the rack space occupied by typical 2U/48-port panels by half. These panels are the ideal solution for very high-density environments such as ISPs, Data Centers, Central Offices and any other environment where rack space is at a premium.

Precision fabricated from 16-gauge steel with a nickel-plated finish, these ultra high-density 19" patch panels are available empty or preloaded with Keywerks™ CAT6A, CAT6 or CAT5e FTP Modular Jacks. Each patch panel includes a cable management bracket, tie wraps, installation screws, grounding screw, labels and instruction manual, and is fully compatible with all standard 19" racks or cabinets.

Keywerks 1U/48-Port FTP High-Density Rack Mount Patch Panels are part of Wirewerks' comprehensive portfolio of FTP solutions. When used with Keywerks™ FTP modules and cables, these ultra high-density patch panels bring durability, reliability, outstanding performance and superior noise immunity to installation environments where port density, alien crosstalk, EMI, and RFI noise conditions are a concern.

<b>Features and Benefits</b>	Ultra high-density, 1U/48 port configuration; factory pre-loaded or empty	Inline port positions for fast, easy module installation and manipulation
	Accepts all Keywerks™ modules or any other product with a standard Keystone footprint	Rear cable management bracket, installation hardware and instruction manual included
	Factory pre-loaded with Keywerks CAT6A, CAT6 or CAT5e modules (see PDS-161, -162 & -163)	Compatible with all standard 19 in. racks and cabinets
		Port numbering in front
<b>Applications</b>	Data Centers	Internet Service Providers (ISPs)
	Telecommunications Rooms	Central Offices
	Cellular Tower Base Stations	Multi-System Operators
<b>Certification and Compliance</b>	TIA 569	Commercial Building Standard for Telecommunications Pathways and Spaces.
	CEA/EIA-310	Cabinets, Racks, Panels and Associated Equipment standard.
	ANSI/TIA-568-C.2	Balanced Twisted-Pair Telecommunications Cabling and Component Standards.
	ANSI/TIA/EIA-606	Administration Standard for Telecommunications Infrastructure.
	FCC 47 part 68	Connection of the Terminal Equipment to the Telephone Network.
	UL	Underwriters Labs (Bi-national Canada, US) Listed Communication Circuit Accessories.
	RoHS	Directive on Restriction of Hazardous Substances.

Part Number	Description
<b>WW-001686</b>	CAT6A FTP Keywerks hd patch panel, 1U, 48 Port, nickel, T568A/B
<b>WW-001666</b>	CAT6 FTP Keywerks hd patch panel, 1U, 48 Port, nickel, T568A/B
<b>WW-001656</b>	CAT5e FTP Keywerks hd patch panel, 1U, 48 Port, nickel, T568A/B
<b>WW-001606</b>	Empty FTP Keywerks hd patch panel, 1U, 48 Port, nickel, T568A/B

**Packaging - 1U, 48 Port**

1 Cardboard box  
 1 unit per box  
 Instruction manual  
 1 Patch Panel chassis  
 1 cable management bracket kit  
 12 nylon tie wraps  
 4 Philips screws 10-32  
 4 Philips screws 12-24  
 1 grounding screw  
 2 Port ID labels

**Physical Characteristics**

Parameter	Value
Port Capacity	48 Port
Panel Material	Cold rolled steel (CRS) 0.060 in, ASTM 1008
Finish	Nickel plating
Weight	Loaded: 1.69 kg (3.72 lbs)      Empty: 0.54 kg (1.19 lbs)
Overall Dimensions	482.59 mm(19 in.) x 44.45 mm(1.75 in.)

**Mechanical Characteristics**

Parameter	Value
Operating Temperature	-20° C (-4° F) ~ 40° C (104° F)
Storage Temperature	-40° C (-40° F) ~ 125° C (257° F)