

Sales Catalog of HNK Telecommunication Products

Copper Structured Cabling and Accessories

Category 5e Patch Panels

CAT5e patch panels are 19 inch rack mountable IDC/PCB moulded or keystone jack patch panels. All panels comply with the EIA/TIA standard for enhanced Category 5 and are available in a choice of port density. Every patch panel is made with high quality materials, and tested before packaging.

Category 5E unshielded patch panel is designed for maximum strength, which allows for termination with a standard multi-pair 110 impact tool to reduce installation time. The patch panel feature a fully enclosed design for protection of printed circuitry during termination.

Category 5E shielded patch panels are loaded with shielded keystone jacks , which are housed in a closure full shielding metal enclosure designed to meet highest industry requirement. A shielded version is also available to maximum protection from EMI/RFI interference. By utilizing fully shielded jacks and connecting hardware, you can reduce the effects of interference on the network data transmissions.



Complied with or exceeds Standard:

- TIA /EIA 568 B .2
- ISO/ IEC 11281:2002
- ISO/IEC 11801 Category 5e
- IEEE 802.3an, IEEE 802.3af (PoE), IEEE 802.3at (PoE+)
- IEC 60603-7, TIA-968-A (formerly FCC Part 68 Subpart F)
- RoHS compliant

Features & Benefits

- Space-saving high density 1U & 2U
- Meets or exceeds the requirement proposed by TIA /EIA 568 B .2 ,ISO/IEC 11801 Category 5e
- Phosphor Bronze with 6-50 micro inches gold plated
- Available with colour-coded T568A and T568B wiring patterns
- Sturdy aluminium plate or steel plate around jacks
- Termination accepts 22, 23, 24 and 26 AWG (0.64-0.4) solid wires
- Easy wiring installation, fit for 110 punch-down tools
- Black electrostatic powder-coated corrosion resistant steel
- Keystone jack or PCB/IDC
- 24 or 48 port Cat5e Patch Panel

Technical Parameter:

Electrical/Mechanical Characteristics:			
Current Rating:	1.5Amps	Insulation Resistance:	500 Mega-ohm
DC Resistance:	0.1 ohm Max.	Voltage:	150V Max.
Insertion Life:	750 Mating Cycles	Plug Retention Force:	20 lbs (89N)
Temperature:	-40~+68℃	Humidity:	10%~90% RH
IDC Accept:	22 ~ 26 AWG Solid Wire		
DESIGN:			
Panel Width	483mm (19")	Mounting Style	Punch Down, Tool Less
Panel Height	44mm (1.75" ,1U), 88.4mm (2U),	Number of Ports:	12, 16, 24, and 48 x RJ45
Materials:			
Housing:	High Impact Flame Reterdant Plasstic, UL94V-0 Rated		
Spring Wire:	Phosphor Bronze with 50Micro-inch(1.27microns) thickness gold Plated, over 100Mirco-inch(2.54microns) thickness Nickel undercoat.		
IDC Plastic:	Polycarbonate, UL94V-0 Rated		
IDC Contact:	Phosphor Bronze plated with 100Mirco-inch(2.54microns) Minimum thick Tin		
Panel:	Aluminium plate or Steel plate with black painting		