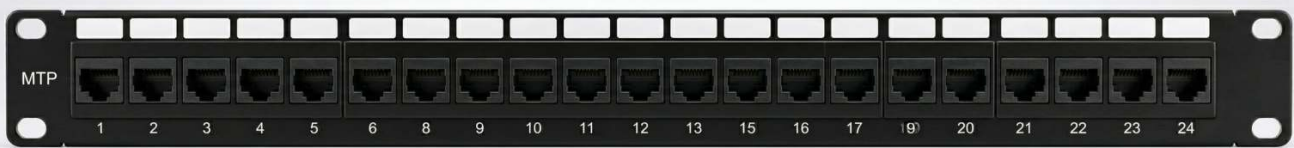




Front view — RJ-45 ports



Rear view — IDC punch-down terminations

General Description

The PDR Cat 6 Distribution Panel is a high-performance patch panel for structured cabling installations in enterprise and data centre environments, available in 24-port (1U) and 48-port versions. Conforming to ISO/IEC 11801 and meeting EIA/TIA 568A & 568B standards, it delivers reliable Gigabit and 10G-Base-T network performance. The panel features RJ-45 keystone-style ports with integrated IDC terminations supporting both T568A and T568B colour-coding schemes, and accepts Keystone Jack and Krone modules. Designed for 19-inch standard equipment racks, it provides high-density cable management in patch rooms and server enclosures.

Key Features

- Available in 24-port (1U) and 48-port configurations conforming to ISO/IEC 11801 and EIA/TIA 568A & 568B
- Supports Cat 6 performance — suitable for Gigabit Ethernet and 10G-Base-T applications
- Accepts Keystone Jack modules (Female-to-Female or Female-to-Punchdown) and Krone modules
- Metallic panel (SPCC) with fireproof ABS UL-94V0 plastic body for durability and safety
- RJ-45 jack housing: PBT / 8P8C with 50 micro-inch gold-plated contacts for reliable connectivity
- PCB: FR-4 / 1.6 mm UL-94V0 for superior signal integrity
- Supports both T568A and T568B colour-coding with clearly labelled port identification
- IDC terminations for 22–26 AWG solid conductors using 110 or Krone punch-down tool
- Rated for over 250 IDC punch-down cycles and over 2,000 RJ-45 jack insertion cycles
- Operating temperature range: –40°C to +70°C for use in a wide range of environments

PDR VIDEOTRONICS (INDIA) PRIVATE LIMITED

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Technical Specifications

Parameter	Specification
Standard Compliance	ISO/IEC 11801 EIA/TIA 568A & 568B
Number of Ports	24 or 48 × RJ-45
Category	Cat 6
Module Type	Keystone Jack (F-to-F) / Keystone Jack (F-to-Punchdown) / Krone Module
Panel Material	Metallic — SPCC (Steel, Cold-rolled, Coil)
Plastic Body	Fireproof ABS UL-94V0
RJ-45 Jack Housing	PBT / 8P8C — 50 micro-inch gold plated contacts
PCB	FR-4 / 1.6 mm UL-94V0
IDC Pin Material	Phosphor Bronze, Tinned
IDC Wire Range	22 – 26 AWG solid conductor
Termination Tool	110 or Krone punch-down tool
Color Coding	T568A and T568B
Insulation Resistance	> 500 MΩ (minimum)
Contact Resistance	< 20 mΩ (maximum)
Current Rating	1.5 A
Withstanding Voltage	1000 VAC RMS @ 60 Hz / 1 min
IDC Punch-Down Cycles	> 250 cycles (minimum)
RJ-45 Insertion Cycles	> 2,000 cycles (minimum)
Rack Compatibility	19-inch standard rack mount
Rack Space	1U (24-port) / 1U–2U (48-port)
Operating Temperature	–40°C to +70°C

Applications

- Data centre patch rooms and server rack cable management
- Enterprise LAN and structured cabling infrastructure
- Office building and campus network distribution frames
- Telecommunications rooms and main distribution frames (MDF / IDF)
- Educational institutions and hospitality network installations
- Industrial and commercial Ethernet network deployments

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Ordering Information

Part code: PDR-CAT6-[Ports]-[Module]. Specify the port count and module type when ordering. Example: PDR-CAT6-24-KJ for a 24-port panel fitted with Keystone Jack (F-to-F) modules.

How to Read the Part Code

Segment	Meaning	Options
PDR	PDR Videotronics product prefix	Fixed — always PDR
CAT6	Cat 6 Patch Panel	Fixed — always CAT6
24 / 48	Port capacity of the panel	24 48
KJ / KP / KR	Module type fitted	KJ = Keystone (F-to-F) KP = Keystone (F-to-Punchdown) KR = Krone

Model Selection

Model No.	Ports	Rack Unit	Module Type
PDR-CAT6-24-KJ	24	1U	Keystone Jack (F-to-F)
PDR-CAT6-24-KP	24	1U	Keystone Jack (F-to-Punchdown)
PDR-CAT6-24-KR	24	1U	Krone Module
PDR-CAT6-48-KJ	48	1U/2U	Keystone Jack (F-to-F)
PDR-CAT6-48-KP	48	1U/2U	Keystone Jack (F-to-Punchdown)
PDR-CAT6-48-KR	48	1U/2U	Krone Module

Standard Package Contents

Item	Quantity
Cat 6 Patch Panel (24 or 48 Port)	1
Rack Mounting Screws	4
Cable Management Label Strip	1
User Manual	1

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