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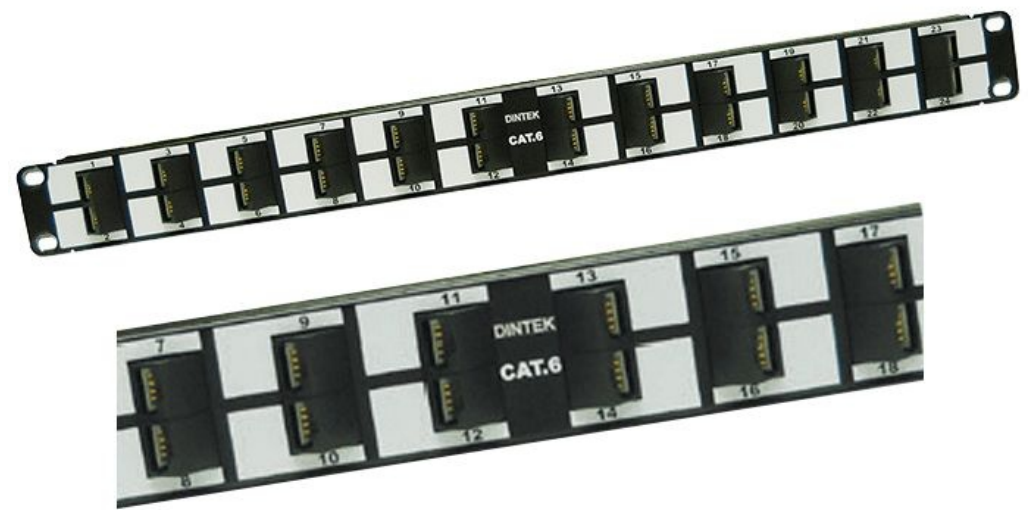
# PowerMAX 1U 24P Cat.6 UTP 45 degree Panel

The DINTEK PowerMAX Connectivity solution is comprised of a system of patch panels, work area outlets, and patch cords to enable users to specify the highest level of channel performance available.

Our Category 6 patch panels are designed to exceed ANSI/TIA-568-C.2 performance specifications and are backward compatible with lower level cabling products.

DINTEK Category 6 panels support both T568A and T568B wiring schemes and can be terminated with an industry standard 110 or Krone installation tool. Panels include a mounting slot for the DINTEK cable management bar, which easily mounts to the back of the panel, for improved routing and strain relief functionality.

Combined with other DINTEK PowerMAX Products, they are the perfect solution to your voice and data communications needs.



## Features

- Component Level Design
- Meet & exceeds all current Cat6 Standards
- Stripped window label for easy management
- 110 and krone dual type IDC termination
- 19" 24 port patch panel, 1U size & 48 port panel, 2U size.
- Accept 22~26AWG, stranded or solid wire
- Optional rear cable management

## Applications

- Voice; T1; ISDN
- 10BASE-T (IEEE 802.3)
- 16Mbps Token Ring (IEEE802.5)
- 100VG-AnyLAN (IEEE802.12)
- 100BASE-T Ethernet (IEEE802.3)
- 155/622Mbps 1.2/2.4 Gbps ATM
- 1000Mbps Gigabit Ethernet
- 550MHz Broadband Video

## Standards Conformance

- ETL Verified
- ISO/IEC11801 2nd edition
- ANSI/TIA Standard 568-2.D
- CENELEC EN 50173



## Ordering Information

Product Number	Product Name	Packing
1401-04004	Cat.6 24 Port UTP 45 degree Panel - Component Level	1 pcs/box - 25 boxes/carton
1401-04003	Cat.6 48 Port UTP 45 degree Panel - Component Level	1 pcs/box - 10 boxes/carton

## Technical Specifications

### Construction

#### Frame

<b>Material</b>	Cold Rolled Steel
<b>Type</b>	Plate: SPCC-SD 16G

#### Connectors

<b>Contact Type</b>	Spring wire / contact blades
<b>Material</b>	Phosphor Bronze Alloy Plated with 50 micro-inch of Gold over 70~100 micro-inch of Nickel

#### Rear Terminals

<b>Terminal Type</b>	Dual IDC (110/Krone)
<b>Material</b>	Phosphor Bronze Alloy with 100 micro-inch 100% Sn Alloy

### Physical Ranges

#### Temperature Range

<b>Storage</b>	-40 to +70°C
<b>Operational</b>	-10 to +60°C

#### Relative humidity

<b>Operational</b>	Max. non-condensing 93%
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#### Retention

50N (11lbf) for 60s+-5s min between the jack and plug

#### Insertion/Extraction life

750 cycles minimum

#### Number of IDC terminations

200 minimum

#### Total mating Force

800gms for a 8 wire leads minimum

### Electrical

<b>Insulation Resistance between conductors</b>	500 MegΩ min.@ 100V d.c
<b>Dielectric Withstanding Voltage</b>	1000V, RMS, 60HZ, 1 MIN.
<b>Spring Wire Contact Resistance</b>	20 mΩ Max.
<b>Voltage/Current Rating</b>	1.5 AMPS at 20°C
<b>IDC Contact Resistance</b>	2.5 mΩ Max

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