

TrueNet®

Category 6_A PCB Patch Panels



The TrueNet® Category 6_A PCB patch panel offers high performance with the dual benefits of speed of deployment and improved MAC (Moves, Adds and Changes) manageability.

The PCB patch panel delivers 24 UTP ports in a 19" format. Importantly these ports are deployed in a single row, which ensures maximum MAC manageability and ample space for port labeling, a critical requirement for the modern day 10 Gigabit network where managed density is the priority.

This Category 6_A PCB design is now possible due to technological advancements such as the reduction in size of the LSA-PLUS® silver plated IDC contacts. In addition to the reliable gas tight wire termination, the smaller IDC's also deliver significant improvements to internal and external electrical performance.

The PCB patch panel includes many innovative features including phase 2 'clip and grip' – a mechanism for securing cables within the cable manager without the need for cable ties. End caps, used for additional labeling, are now sprung and secured to the panel. These, along with the unique fascia swivel mechanism, significantly reduce installation time.

Features

- Supports 10 Gigabit Ethernet over unshielded copper to a full 100m up to 500MHz
- Exceeds requirements of ISO/IEC 11801:2002 amendment 2 (draft), TIA-568-B.2-10, EN 50173-1:2007
- Integrated cable management and swivel fascia facility
- Punch down onto silver plated LSA-PLUS® contacts
- Twin layer labels for port "to and from" functionality

Benefits

- A lower cost route to achieve 10 Gigabit performance in the Enterprise data centre or LAN
- Minimum network latency
- A usable solution delivering density in a managed way
- Rapid and reliable punch down performance and cable management
- Covered by the TrueNet® System Warranty*

TECHNICAL DATA



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Ordering Information

Description	Catalogue Number
TrueNet® Patch Panel, PCB Category 6 _A 24 Port UTP	6527 1 810-24
Outrigger, 19" (recommended for use with 6527 1 816-24)	6527 1 110-00
TrueNet® Tool and Punchdown Pad †	6537 1 600-00
TrueNet® Tool ‡	6537 1 500-00

† Punchdown Pad is not required for the Patch Panel

‡ New tool required for the termination of new contacts

Technical Specifications

Electrical and Mechanical

Insulation resistance at 40°C and 93% RH	≥500MΩ
Operating temperature range	-40° to 70°C
RJ socket, 8 positions	FCC Part (IEC 603-7)
Number of plug insertions cycles	≥750 (IEC/EN 60603-7)
Wire diameter range for solid and stranded copper conductors	22-24AWG 0.50mm to 0.65mm
Wire insulation diameter range	1.04mm to 1.60mm
Contact resistance	≤1 mΩ typical
Contact re-terminations	≥200
Safety rating	UL 1863
Flammability rating	UL 94 V-0
Dimensions	44mm x 483mm x 182mm (HxWxD)

Testing Requirements

Category 6 _A	ISO/IEC 11801:2002 Amendment 1 (channel)
	ISO/IEC 11801:2002 Amendment 2 (draft, permanent link and components)
	TIA-568-B.2-10 (Channel, permanent link and components)
	EN 50173-1:2007

*Terms and conditions apply

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