

TrueNet®

TrueNet Category 6_A 48 Port 1U Patch Panel



The TrueNet® Category 6_A 48 port 1U patch panel offers extreme high density and Category 6_A performance in data centre applications.

The patch panel utilises the Right Angle (RA) modular jack. High performance alongside density is achieved in this jack through technology advancements such as smaller LSA-PLUS® silver plated contacts, which enables the extreme packing density.

The 48 port 1U patch panel is designed specifically for use in data centres where space is at a premium, the solution also enables 1 patch panel per 48 port switch / line card enabling simple integration of active equipment into the network.

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
- Delivers 48 ports in 1U
- Punch down onto smaller LSA-PLUS® contacts
- Twin layer labels for port identification

Benefits

- A lower cost route to achieve 10 Gigabit performance in the Enterprise data centre or LAN
- Minimum network latency
- Extreme high density
- Supports easy integration of active equipment into the network
- Covered by the TrueNet® system warranty

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Ordering Information

Description	Catalogue Number
Patch Panel, Category 6 _A UTP 48 port 1U	6527 1 840-48
TrueNet® Tool and Punchdown Pad*	6537 1 600-00
TrueNet® Tool*	6537 1 500-00

*required for termination of the RA jack

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)
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 34mm (HxWxD) excludes cable manager

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
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