

1U 50 Port Voice Patch Panel 2 Pair RJ45

Molex 50 Port Voice Patch Panel is designed to support 4, 25 or 50 Pair UTP cables in a voice backbone.

The LSA-style IDC to RJ45 jack assemblies allow for patching of up to 50 ports in 1U, using standard UTP RJ45 patch cords. Finished in black, this panel is a cost-effective solution for voice transmission over 2 pairs (3,6 and 4,5). The rear cable management tray provides cable strain relief and an earthing connection point (earthing strap not included).



FEATURES AND ADVANTAGES

High density 50 Ports in 1U

Easy to terminate LSA-style IDC

Termination using LSA 2A termination tool

Patching with standard RJ45 UTP patch cords

2 Pair voice transmission over pairs 3,6 and 4,5

Robust rear cable management for cable strain relief

SPECIFICATIONS

Commercial Standards

ISO/IEC 11801 Class C (Category 3) 2 Pair
UL 1863
CSA C22.2

Mechanical

Panel Material: SPCC-SD (Cold Rolled Steel Sheet)
Thickness: 1.6mm
Finish: Power Coat Black

IDC

Plastic Housing: High-impact flame retardant UL94V-0 rated
Contact Material: Phosphor Bronze Alloy
Plating: Sn 100µ"min.

PCB: FR4 glass-reinforced epoxy laminate
Accommodation: 26-22 AWG solid or stranded
Operating Life: ≥200 terminations

RJ45 Jack

Jack Connector Housing: High-impact flame retardant UL94V-0 rated
Contact Material: Phosphor Bronze Alloy
Contact Plating: 15µ" Gold/ 100µ" Nickel
Operating Life: Minimum 750 insertion cycles

Ambient Installation and Operating

Temperature: -40 to +70°C

Physical

Dimensions: 44mm (H) x 483mm (L) x 129 (D)

Electrical

Insulation Resistance: 10 MΩ min.
Dielectric Withstand Voltage: 1000 Volts; RMS: 60 HZ 1min.
Contact Resistance: 20 MΩ Max
Current Rating: 1.5Amps @20°C
IDC Interface Resistance: <0.5mΩ (typical)

Environmental Standards

RoHS Compliant
REACH Compliant

Shipping Weight: 1250g

Compatibility

Termination Tool: LSA 2A punch down termination tool

ORDERING INFORMATION

Order No.	SAP No.	Description
PID-00145-04	181960059	1U 50 Port Voice Patch Panel 2 Pair RJ45 Black

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