



US-3124A

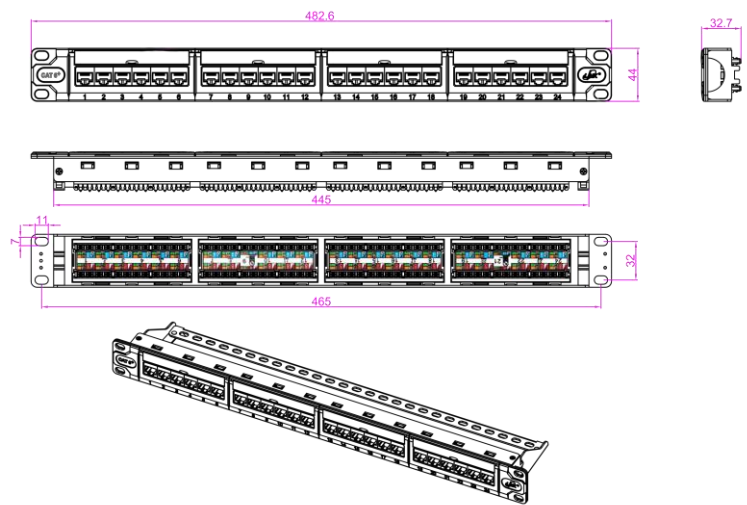


CAT 6+ PATCH PANEL 24 PORT (1U) w/Management, Dust Cover, Labeling

Scope of Application

New designed for high product quality. LINK Category 6 patch panel compliant ISO/IEC 11801 and ANSI/TIA-568.2-E requirements for category 6 performance. The panel is steel light weight with black powder coating with LINK logo on the front. The patch panel are utilized a printed circuit board (PCB) technology to balanced signal transmission of insertion loss and crosstalk from 1 to 250MHz. Design new version of Push Flip(open-close) Label with transparent cover and increase high protection after installation by dust cover cap. Knock down management bar can be separated from panel with folding brackets. Support dual 110 IDC and 45°KRONE termination block with durable. The patch panel supplies with management bar and cable tie in colorful box (nut and screw included).

Drawing



Technical Standard

- ANSI/TIA-568.2-E Category 6
- ANSI/TIA-568.2-D Category 6
- ANSI/TIA-568-C.2 Category 6
- ISO/IEC 11801:2017 class E
- EN 50173-1 Category 6
- UL 1863
- IEC 60603-7, FCC Part 68 Subpart F
- UL and ETL Verified to Category 6
- Approvals UL listed file no. E196947
- Intertek Certification no. 104047595CRT
- RoHS Compliant



Construction and Properties

Jack Contact	Material	Phosphor bronze with 50-60 micro inch nickel plated and 50 micro inches of gold over nickel plated in contact area
IDC Contact	Material	Phosphor Bronze with 50-60 micro inch tin-lead plated
Jack Module	Material	ABS High-Impact, UL 94 V-0
IDC Block	Material	Polycarbonate High-Impact, UL 94 V-0
Panel	Material	SPCC steel light-weight with black powder coating
	Thickness	1.6 mm.
Management Bar	Material	SPCC steel light-weight with black powder coating
	Thickness	1.6 mm.
Dust Cover	Material	Polycarbonate, UL 94 V-0
Label	Material	White paper inserts within clear plastic cover
	Design	Push Flip Label instruction
Mounting	Width	19-inch Standard Rack (EIA 310D)
	Height	1.75 inch (1U)

Electrical Characteristics

Insulation Resistance	500 megaohms minimum
Dielectric Withstanding	1000 V AC
Current Rating	1.5 Amps
DC Resistance	0.1-ohm maximum
Contact Resistance	20 milliohms maximum

Physical Properties

Pulling Force		89 N (20 lbs.) minimum
Jack contact	Durability	800 mating cycles
	Force	100 grams minimum
IDC contact	Durability	200 re-termination cycles
Accommodate	Wire Gauge	26-22 AWG solid and stranded bare copper
	Insulation Diameter	0.8 mm – 1.2 mm
	Cable Diameter	5 mm - 9 mm
Termination Style		Dual 110 IDC and KRONE
Wiring Pattern		T568A/T568B (universal color pattern)
Temperature	Storage	-40°C to 80°C
	Operation	-40°C to 80°C



PERFORMANCE CHARACTERISTIC (meet or exceed ANSI/TIA-568.2-E Category 6)

Frequency (MHz)	Insertion Loss (dB)	NEXT (dB)	FEXT (dB)	Return Loss (dB)
1	0.02	85.0	83.7	52.5
4	0.02	80.5	75.0	53.7
8	0.02	77.5	69.5	55.3
10	0.03	76.5	67.5	56.1
16	0.03	73.0	63.0	57.6
20	0.04	72.1	61.7	59.3
25	0.04	69.1	60.0	59.4
31.25	0.05	67.7	58.2	56.8
62.5	0.06	61.5	52.6	42.3
100	0.06	57.7	48.8	33.4
200	0.06	52.5	42.2	21.2
250	0.10	48.0	40.3	17.5

Application

- 2.5G/5G BASE-T (IEEE 802.3bz)
- 1000 BASE-T (IEEE 802.3ab Gigabit Ethernet)
- 1000 BASE-TX (TIA/EIA-854)
- 100 BASE-TX (IEEE 802.3u Fast Ethernet)
- 10 BASE-T (IEEE 802.3i Ethernet)
- 52/155/622Mbps and 1.2Gbps ATM
- 4/16 Mbps Token Ring
- IEEE 802.3af (PoE), IEEE 802.3at (PoE+), IEEE 802.3bt (Type4)
- TP-PMD, TPDDI, ISDN, CDDI, VoIP
- EtherCAT Industrial standard, HDBaseT 2.0 standard
- Baseband, Broadband
- Digital and analog for data, video, and audio application

Order Information

Part number	Description	Port	Package
US-3124A	CAT 6+ PATCH PANEL 24 PORT (1U) w/Management, Dust Cover, Labeling	24	Box

Specifications subject to change without notice.

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