



US-3148A

LINK AMERICAN STANDARD

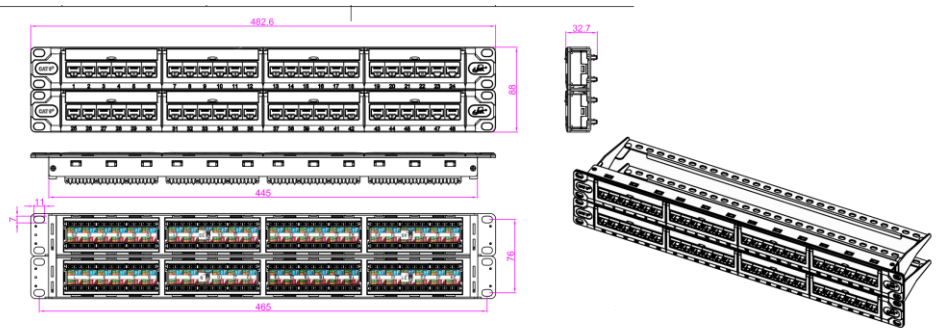


## CAT 6+ PATCH PANEL 48 PORT (2U) w/Management, Dust Cover, Labeling

### Scope of Application

New designed for high product quality. LINK Category 6 patch panel compliant ISO/IEC 11801 and ANSI/TIA-568.2-D 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-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
- RoHS Compliant
- Approvals UL listed file no. E196947
- Intertek Certification no. 104047595CRT



## Construction and Properties

<b>Jack Contact</b>	<b>Material</b>	Phosphor bronze with 50-60 micro inch nickel plated and 50 micro inch of gold over nickel plated in contact area
<b>IDC Contact</b>	<b>Material</b>	Phosphor Bronze with 50-60 micro inch tin lead plated
<b>Jack Module</b>	<b>Material</b>	ABS High-Impact, UL 94 V-0
<b>IDC Block</b>	<b>Material</b>	Polycarbonate High-Impact, UL 94 V-0
<b>Panel</b>	<b>Material</b>	SPCC steel light weight with black powder coating
	<b>Thickness</b>	1.6 mm.
<b>Management Bar</b>	<b>Material</b>	SPCC steel light weight with black powder coating
	<b>Thickness</b>	1.6 mm.
<b>Dust Cover</b>	<b>Material</b>	Polycarbonate, UL 94 V-0
<b>Label</b>	<b>Material</b>	White paper inserts within clear plastic cover
	<b>Design</b>	Push Flip Label instruction
<b>Mounting</b>	<b>Width</b>	19-inch Standard Rack (EIA 310D)
	<b>Height</b>	3.5 inch (2U)

## Electrical Characteristics

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

## Physical Properties

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



## PERFORMANCE CHARACTERISTIC (meet or exceed ANSI/TIA-568.2-D 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)
- 10G BASE-T (IEEE 802.3an 10Gigabit Ethernet) \*55m
- 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-3148A	CAT 6+ PATCH PANEL 48 PORT (2U) w/Management, Dust Cover, Labeling	48	Box

Specifications subject to change without notice.

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