

WS-4424B

24 Ports Category 6 (UTP) Patch Panels

Technical Specification



Description

Wellsite CAT 6 Patch Panel consists of 6-port jack module allows easy replacement and maintenance. The termination is provided label color recommend T568B and universal pattern (568A/B) for easy to read and prevent termination errors. The 6-port jack module is designed for preventing the effect of terminate to interrupt on another ports. The Patch Panel also supply with cable support bar and cable tie to keep the cable arrange and management and avoid cable from over bending. The Patch Panel is make of black Aluminum Light Weight Steel with Hair Line Classic Shine and White Paper Label insert within clear plastic cover.

Model	WS-4424B
Standards	
IEEE 802.3	10Base-T Ethernet
IEEE 802.3u	100Base-TX Fast Ethernet
IEEE 802.3ab	1000Base-T Gigabit Ethernet
Characteristics	
Application	1000Base-T, 10/100Base-TX, 155/622 Mbps, 4/16 Mbps Token Ring and 1.2 Gbps ATM, PoE, ISDN, VoIP, Analog & Digital Voice, Digital & Analog Video
Wiring Pattern	T568B/ T568A Universal Color Pattern
Panel	Metal, 1.5mm thickness with black color painted
Label	White Paper insert within clear plastic cover
Performance	CAT 6 (Category 6/ Class E)
Cable Organizing	Cable Support Bar and Cable Ties
Connector Contact	RJ45 8 Pin
Jack Housing	ABS, UL94V-0
Jack Brackets	PC, UL94V-2 transparent color
Jack Contacts	Phosphor Bronze with over 50 micro-inches gold plating
Termination Block	Dual Type PCB 110 IDC or KRONE
IDC Housing	Nylon + Fiber, UL94V-2
Termination Material	Phosphor Bronze with tin over 100 micro-inches nickel under plated
Durability	800 mating cycles (Modular Jack) 200 termination cycle (110 IDC Block)
Wire Size	26AWG – 22AWG Solid & Stranded Wire
Max. Tensile Load	89N
Working Temp.	-40°C ~ +80°C
Height	1.75 inch (1U)
Certification & Compliance	
International Standards	ANSI/TIA-568-C.2, ISO/IEC 11801:2002 Class E, EN-50173-1, ASTM D4566-98, IEC 60603-7
Approvals	UL Listed E196947 and Intertek Channels Test
Regulation	FCC part 15 Class A, CE
Green Product	RoHS compliant INTERTEK Report No. 3159185CRT-002

Electrical Characters

Current Rating : 1.5 A
Contact Resistance : 20 mΩ
DC Resistance : 0.1Ω Max/ 100m
Insulated Resistance : 500 MΩ/Km



Typical Performance Characteristic

Frequency (MHz)	Insertion Loss (dB)	NEXT (dB)	FEXT (dB)	Return Loss (dB)
1	0.02	84.8	83.7	52.4
4	0.02	80.3	74.5	53.7
8	0.02	77.5	69.5	55.3
10	0.03	76.5	67.5	56.1
16	0.03	72.0	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