VERICOM®

VGS6A™ CAT6A UTP RJ45 Patch Panels

Applications

The Vericom VGS6A™ Category 6A UTP RJ45 Patch Panels support 10GBASE-T, 1000BASE-T (Gigabit Ethernet), 100BASE-T (Fast Ethernet), 155 Mb/s ATM, 622 Mb/s ATM, 1.2 Gb/s ATM, Digital video and broadband/baseband analog video, Voice over Internet Protocol (VoIP) and is backwards compatible with Category 6 and 5e systems. Compatible with IEEE 802.3af/802.3at (48 cables in a bundle) and 802.3bt type 3 and type 4 (24 cables in a bundle) PoE applications.

Description / Specifications

The Vericom VGS6A™ Category 6A UTP RJ45 Patch Panels are designed to meet and exceed ANSI/TIA-568.2-D Category 6 and ISO 11801 Class E electrical performance requirements for frequencies up to 500 MHz. The VGS6A Patch Panels are designed to manage crosstalk to provide superior performance with headroom for even the toughest installs. These Patch Panels are third party verified to support 10 Gigabit Ethernet. The VGS6A Panels are available in 24 Port (1 RU) and 48 Port (2 RU) with a standard RJ-45 interface, contacts with minimum 50 microinches of gold, and a standard 110 punchdown for terminating horizontal cable.

Features & Benefits

- Vericom VGS6A™ Patch Panels are third party EC verified (2021-248) to ensure performance.

- Contacts provide minimum 50 microinches of gold plating for maximum system reliability.

- Universal label shows T568A and T568B wiring for ease of use.

- 110 IDCs are technician friendly with a standard punchdown tool.

- Labels are provided with hinged plastic covers.

- Cable support bar is provided but can be removed to utilize horizontal managers.

- Supports PoE/PoE+ over 100 meter channels with 10 meters of 24 AWG patch cords included in the channel.

- Strain relief cap secures conductors and makes the installation more robust.

Standards Compliance

- UL Listed

- RoHS Compliant

- ISO/IEC 11801

- TIA/EIA-568.2-D

- IEC 61156-5

- UL 1863 and CAN/CSA-C22.2

- ANSI/TIA-1096-A (formerly FCC Part 68)

- Supports IEEE 802.3AF/802.3AT (48 cables in a bundle) and 802.3bt type 3 and type 4 (24 cables in a bundle) PoE applications

Related Products

Deluxe 66/110 Punch Down Tool

Item No. WTPDT-03633

REV.20210329.4

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Ordering Information

Description		
CAT6A UTP RJ45 Patch Panel		
Item Number	**Number of Ports**	**Rack Unit Quantity**
UPP66WL24	24	1RU
UPP66WL48	48	2RU

Construction

Housing: High impact thermoplastic, UL94V-0 fire retardant

Contacts: Phosphor bronze alloy plated with 50 µin of gold over of nickel plating

IDC: 110 type, phosphor bronze alloy with 100 µin 100% tin alloy

Mechanical

Plug Retention: 50 N (11 lbf)

Mating Life Cycle: Min 750 cycles

Wire Compatibility: 22 to 24 AWG (0.644 to 0.511 mm)

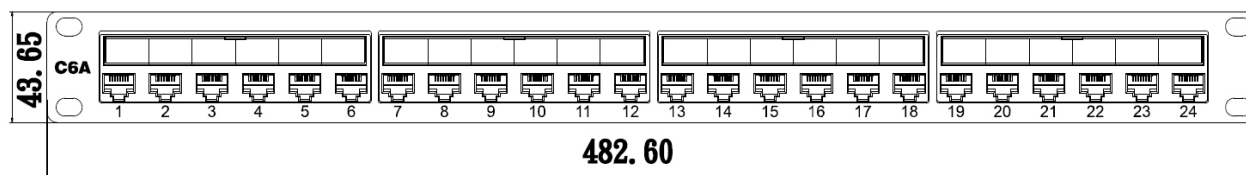## Environmental Conditions

Operating Temperature: 14 °F to 140 °F (-10 °C to 60 °C)

Storage Temperature: -40 °F to 158 °F (-40 °C to 70 °C)

Transmission Performance (at 20 ºC)

Freq. (MHz)	IL Max. (dB)	NEXT Min. (dB)	FEXT Min. (dB)	RL Min. (dB)	Balanced TCL Min. (dB)
1.00	0.10	75.00	75.00	30.00	40.00
4.00	0.10	75.00	71.00	30.00	40.00
8.00	0.10	75.00	65.00	30.00	40.00
10.00	0.10	74.00	63.10	30.00	40.00
16.00	0.10	69.90	59.00	30.00	40.00
20.00	0.10	68.00	57.10	30.00	40.00
25.00	0.10	66.00	55.10	30.00	40.00
31.25	0.11	64.10	53.20	30.00	39.10
62.50	0.16	58.10	47.20	30.00	32.10
100.00	0.20	54.00	43.10	28.00	28.00
200.00	0.28	48.00	37.10	22.00	22.00
250.00	0.32	46.00	35.10	20.00	20.00
300.00	0.35	42.90	33.60	18.50	18.50
400.00	0.40	37.90	31.10	16.00	16.00
500.00	0.45	34.00	29.10	14.00	14.00

Technical Illustration- 1RU

TECHNICAL SHEETS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

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