

## GigaTrue® CAT6 Component Level Patch Panels

**Make patching transitions from horizontal cable to typical stranded cable.**

Meets Category 6 component performance requirements



### Customer Support Information

Order toll-free in the U.S.: Call 877-877-BBOX (outside U.S. call 724-746-5500)  
FREE technical support 24 hours a day, 7 days a week: Call 877-877-2269 or fax 724-746-0746  
Mailing address: Black Box Corporation, 1000 Park Drive, Lawrence, PA 15055-1018  
Web site: [www.blackbox.com](http://www.blackbox.com) • E-mail: [info@blackbox.com](mailto:info@blackbox.com)

# GigaTrue CAT6 Component Level Patch Panels

## 1. Specifications

| GIGATRUE CAT6 SPECIFICATIONS |   |
|------------------------------|---|
| SPECIFICATION                | DESCRIPTION   |
| STANDARDS                    | T568A and T568B   |
| CONNECTORS                   | JPM610A-R9: (24) RJ-45, (24) 4-pair 110 punchdown;<br>JPM612A-R9: (48) RJ-45, (48) 4-pair 110 punchdown;          |
| SIZE (H X W X D)             |   |
| PANEL ONLY                   | JPM610A-R9: 1.8" x 19.0" x 1.2" (4.6 x 48.3 x 3.0 cm);<br>JPM612A-R9: 3.5" x 19.0" x 1.2" (8.9 x 48.3 x 3.0 cm)   |
| WITH SUPPORT BAR INSTALLED   | JPM610A-R9: 1.8" x 19.0" x 4.8" (4.6 x 48.3 x 12.2 cm);<br>JPM612A-R9: 3.5" x 19.0" x 4.8" (8.9 x 48.3 x 12.2 cm) |
| WEIGHT                       |   |
| PANEL ONLY                   | JPM610A-R9: 1.1 lb (0.5 kg);<br>JPM612A-R9: 2.3 lb. (1.0 kg)  |
| WITH SUPPORT BAR INSTALLED   | JPM610A-R9: 1.6 lb.; (0.7 kg)<br>JPM612A-R9: 3.3 lb. (1.5 kg)   |
| PERFORMANCE                  | ANSI/TIA 568.2-D component level  |
| POWER OVER ETHERNET          | IEEE 802.3bt/4PPoe  |

## 2. Introduction

The Black Box® GigaTrue® CAT6 Patch Panels are component-level panels that enable users to make patching transitions from horizontal cable to typical stranded patch cable. These sturdy panels meet Category 6 component level performance requirements, and universal wiring enables each cable to be terminated to either T568A or T568B wiring schemes. They also support current IEEE 802.3bt Power over Ethernet Plus (4PPoE) application standards. An optional rear cable management bar is available to assist and organize your final bulk cable termination. Simply follow the color-coded guides on the panel; they identify the sequence of cable pair terminations.

What's included:

- (1) GigaTrue CAT6 Patch Panel
- (8) cable ties (JPM610A-R9) or (16) cable ties (JPM612A-R9)
- (4) 10-32 cuphead screws
- (4) 12-24 cuphead screws
- (1) Cable Management Bar Kit for each 24 ports, Kit includes 3 support pieces and 2 screws. (JPM610A-R9) or
- (2) Cable Management Bar Kits for each 24 ports, Each kit includes 3 support pieces and 2 screws (JPM612A-R9)

If anything is missing or damaged, contact Black Box at 877-877-2269 or info@blackbox.com.

You will also need a standard 110 punch down tool to terminate your bulk cable to the patch panel. The punch down tool is not included with your patch panel.

### 3. Installation

1. Verify that the screws on each of the four corners of the patch panel are tightly secured to your rack or cabinet. Tighten the screws, if needed.
2. Prepare the cable by stripping about 2 inches (5.1 cm) of the cable jacket. Be careful not to damage the twisted wire.
3. Next, punch down the cable. Place each wire pair next to the appropriate wiring color/label. Refer to Figure 1 for T568A and T568B color codes.

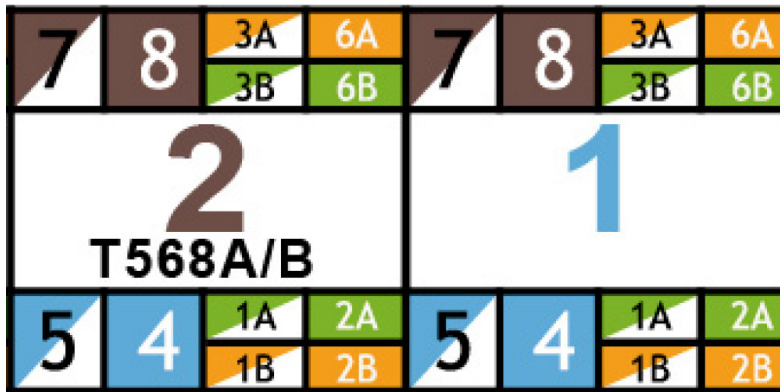


Figure 1. Color codes for T568A/T568B wiring on the wiring label.

*NOTE: For best performance, keep the untwisted part of the wire less than 0.5 inches (1.3 cm) long.*

Using a punchdown tool, terminate each wire. Push the 110 punchdown tool to the edge of the 110 connector to trim the conductors. See Figure 2.



Figure 2. Terminating the wire conductors.

4. Optional: If you choose to use the cable management bar, assemble the support bar as shown in Figure 3. There are two screws included for each cable management bar supplied. Use one screw at each end to assemble the support bar.



Figure 3. Assemble the support bar.

Before you begin to attach the cable support bar to the patch panel, verify that you have made all your after terminations in a row where the support bar will be mounted. Use the double hooks to clip your assembled cable management bar to the hook slots on the panel (see Figure 4).



Figure 4. Attach support bar to panel.

Repeat for all other support bars that you wish to install.

5. Secure the horizontal cable to the cable management bar. Loosen the single screw and attach the horizontal cable under the clamp.
6. Finally, connect the patch cord. Plug the patch cord into the patch panel, and then connect it to the network equipment.

Installation is complete.



### **About Black Box**

Black Box® is a trusted IT solutions provider delivering cutting-edge technology products and world-class consulting services to businesses across the globe in every industry. The breadth of our global reach and depth of our expertise accelerate customer success by bringing people, ideas, and technology together to solve real-world business problems.

© Copyright 2018, 2022. Black Box Corporation. All rights reserved. Black Box and the Black Box logo type and mark are registered trademarks of Black Box Corporation.

Any other trademarks mentioned in this document are acknowledged to be the property of the trademark owners.