

Panduit CJ688TGBL

Panduit Cat 6 UTP RJ45 TG Jack Module CJ688TGBL Instruction Manual

INTRODUCTION

This instruction manual provides comprehensive guidance for the installation, operation, and maintenance of the Panduit Mini-Com Cat 6 UTP RJ45 TG Jack Module, model CJ688TGBL. This module is designed for reliable Cat 6 Ethernet connectivity, featuring a tool-less termination design for efficient setup. Please read this manual thoroughly before proceeding with installation or use to ensure proper functionality and safety.

PRODUCT OVERVIEW

The Panduit Mini-Com Cat 6 UTP RJ45 TG Jack Module is an 8-position, black jack module engineered to terminate 4-pair, 22-26 AWG twisted pair cable. It is 100% factory tested to surpass industry performance standards. The TG (Tool-less Giga-TX) termination style eliminates the requirement for a specialized termination tool, simplifying installation. Each jack is individually serialized for traceability and is compatible with Panduit Mini-Com Modular Patch Panels and Faceplates.



This image displays the Panduit Cat 6 UTP RJ45 TG Jack Module. The front portion, which houses the RJ45 port, is black, while the rear housing is beige. The jack features gold-plated contacts visible within the RJ45 port, designed for reliable data transmission.

SAFETY INFORMATION

Observe the following safety guidelines during installation and handling of the jack module:

- Ensure all power to connected devices is disconnected before installation or maintenance.
- Avoid exposing the module to moisture or extreme temperatures.
- Handle the module with care to prevent damage to internal components or contacts.
- Installation should be performed by qualified personnel familiar with network cabling practices.

SETUP AND INSTALLATION

The Panduit TG Jack Module features a tool-less termination design. Follow these steps for proper installation:

1. **Cable Preparation:** Carefully strip approximately 1.5 inches (3.8 cm) of the cable jacket from the 4-pair, 22-26 AWG twisted pair cable. Ensure not to damage the wire insulation.

2. **Untwist Pairs:** Untwist the wire pairs as minimally as possible, maintaining the twists close to the jacket.
3. **Wire Placement:** Refer to the color-coding diagram on the jack module (T568A or T568B) and carefully insert each individual wire into its corresponding slot in the termination cap. Ensure wires are fully seated.
4. **Close the Jack:** Close the termination cap firmly until it snaps securely into place. This action simultaneously seats and trims the wires, completing the termination.
5. **Verify Termination:** Visually inspect the termination to ensure all wires are correctly seated and trimmed.
6. **Mounting:** Snap the terminated jack module into any compatible Panduit Mini-Com faceplate, modular patch panel, or surface mount box.

OPERATION

Once properly installed and terminated, the Panduit Cat 6 UTP RJ45 TG Jack Module functions as a standard RJ45 port for Cat 6 Ethernet connections. It provides a reliable interface for connecting various network devices.

Compatible devices include:

- Computers
- IP Phones
- Network Switches
- Other Networked Devices

The jack module supports high-speed data transmission as per Cat 6 specifications, ensuring optimal network performance when used with compliant Cat 6 patch cords and infrastructure.

MAINTENANCE

The Panduit Cat 6 UTP RJ45 TG Jack Module requires minimal maintenance. Regular inspection and cleaning can help ensure long-term performance.

- **Cleaning:** If necessary, gently clean the exterior of the jack module with a dry, lint-free cloth. Avoid using harsh chemicals, solvents, or abrasive materials.
- **Inspection:** Periodically inspect the jack for any signs of physical damage, loose connections, or debris in the RJ45 port. Ensure the module remains securely seated in its faceplate or panel.

TROUBLESHOOTING

If you experience issues with your network connection after installing the jack module, consider the following troubleshooting steps:

- **No Network Connection:**
 - Verify that the network cable is securely plugged into both the jack module and the network device.
 - Check the status lights on your network device (e.g., computer, switch) to confirm link activity.
 - Ensure the cable termination within the jack module is correct according to the T568A or T568B standard. Re-terminate if necessary.
 - Test the connection with a known working patch cord and network device.
- **Slow Network Speed:**

- Confirm that all components in your network path (cables, switches, routers) are rated for Cat 6 or higher.
- Check for excessive cable untwisting during termination, which can degrade performance.
- Ensure the total cable length does not exceed Cat 6 specifications for optimal performance.

SPECIFICATIONS

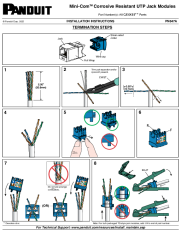
Feature	Value
Model Number	CJ688TGBL
Brand	Panduit
Connector Type	RJ45
Cable Type Compatibility	Cat 6 Ethernet (UTP)
Wire Gauge Compatibility	22-26 AWG Twisted Pair
Number of Positions	8-Position
Termination Style	TG (Tool-less Giga-TX)
Color	Black
Product Dimensions	0.71 x 0.62 x 0.71 inches
Item Weight	0.32 ounces
Special Feature	High Speed

WARRANTY AND SUPPORT

Panduit products are manufactured to high-quality standards and are typically backed by a manufacturer's warranty. For specific warranty details pertaining to the CJ688TGBL jack module, please refer to the official Panduit website or contact Panduit customer support directly.

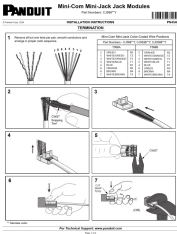
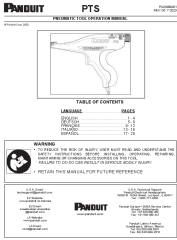
For technical assistance, product inquiries, or support, please visit the official [Panduit Store](#) or their corporate website.

Related Documents - CJ688TGBL



[Panduit Mini-Com Corrosive Resistant UTP Jack Module Installation Guide](#)

Comprehensive installation instructions and best practices for Panduit Mini-Com Corrosive Resistant UTP Jack Modules (CJE6X88**). Covers termination steps, T568A/B wiring standards, removal procedures, and proper orientation for optimal performance.

	Panduit Mini-Com Mini-Jack Jack Modules Installation Guide Detailed installation instructions for Panduit Mini-Com Mini-Jack Jack Modules (Part Numbers CJ588**Y, CJ5E88**Y, CJD588**Y), covering termination procedures, color coding, and wiring diagrams.
	Panduit CT-2300 Series BlackFin Crimp Tool Instruction Manual Comprehensive instruction manual for the Panduit CT-2300 Series BlackFin Crimp Tool, detailing operation, safety, specifications, and battery charger information.
	Panduit PTS Pneumatic Tool Operation Manual Operation manual for the Panduit PTS Pneumatic Tool, detailing its features, specifications, safety instructions, setup, operation, and troubleshooting.
	Panduit MP200 Printer Operator's Manual Comprehensive guide for the Panduit MP200 label printer, detailing setup, operation, features, and troubleshooting. Includes specifications and technical support information.
	Panduit MP300 Printer Operator's Manual: Setup, Operation, and Troubleshooting Guide The official operator's manual for the Panduit MP300 Printer. This guide details setup, usage, specifications, troubleshooting, and advanced features for creating professional labels.