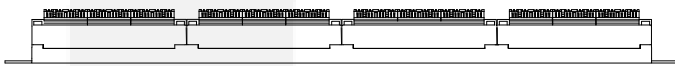
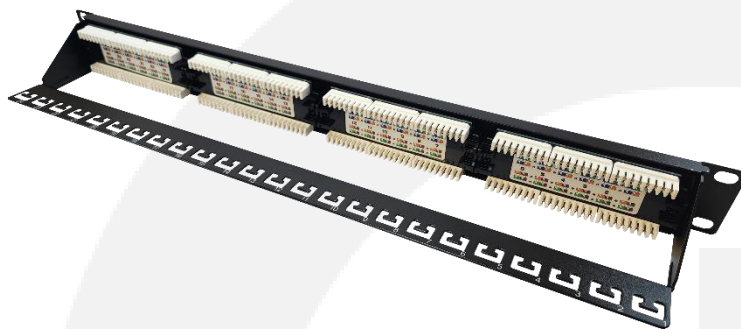


## PRODUCT DATA SHEET

### 1U 24 Port Category 6 PCB Unshielded Patch Panel Populated



#### Introduction :

Cat6 populated PCB Patch Panel represent a fundamental component in modern networking infrastructure, embodying the evolution of Ethernet connectivity. Serving as crucial elements within structured cabling systems, Cat6 Patch Panels facilitate reliable and high-speed data transmission, ensuring harmonious connectivity in diverse digital environments.

#### Performance Characteristics :

**Bandwidth :** Supports up to 250 MHz bandwidth.

**Data Rate :** Capable of handling Gigabit Ethernet speeds (up to 1 Gigabit per second).

**Backward Compatibility :** Compatible with older Ethernet standards, ensuring seamless integration into existing networks.

#### Key Applications :

**Wi-Fi 5 Deployments :** Supports the high data rates required for access points, enabling seamless connectivity in dense wireless environments.

**Gigabit Ethernet Networks :** Ideal for businesses and organizations requiring high-speed network connectivity for everyday operations.

**LAN Installations :** Commonly used for local area network (LAN) installations in offices, schools, and homes, providing reliable connectivity for computers, printers, and other devices.

**Streaming Media :** Suitable for streaming high-definition multimedia content, including video, audio, and online gaming, with minimal latency and interruptions.

**IP Telephony :** Supports Voice over IP (VoIP) telephony systems, delivering clear and reliable voice communication for businesses and call centres.

**Surveillance Systems :** Well-suited for IP-based surveillance systems, allowing for the transmission of high-quality video feeds from security cameras over the network.

**Cost Effective Solution :** Cat6 is a cost-effective solution for organizations looking to upgrade their legacy network infrastructure to support increasing data demands.

**IoT :** With Cat6 cabling, sensors embedded in office equipment, lighting systems, and HVAC systems can seamlessly communicate data to central control systems, optimizing energy usage and enhancing comfort for occupants.

### Product Specifications

Populated PCB Cat6 UTP Patch Panel

Numerical marking of ports on the front side of the panel

Integral Rear metal cable management

Cat6 / Class E Component Performance » Exceeds component requirements of ANSI/TIA-568-D:2018 Category 6 and ISO 11801 Class E standards at swept frequencies 1-250MHz

### Part Numbers

Model No :

Description :

G6UPPCB24

24 Port UTP PCB Cat6 patch panel - Populated

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