

# Panduit TX6A™ UTP Field Term Plug and Direct Connect Cabling Systems

Today's enterprise cabling networks extend not only to modular jacks in wall or furniture outlets but increasingly to ceiling and wall mounted devices that attaches directly to networks by a plug interface, often terminated to cabling on site.

Designed for quick and easy termination in the field, the simple-to-attach TX6A™ Field Term Plug is ideal for connecting networked devices such as wireless access points, LED lighting, IP cameras and motion sensors, building access modules and display panels.



The TX6A™ Field Term Plug is the easiest to terminate in the field today. Its unique design enables quick and easy termination to cabling while at the same time being compact enough to fit in similar spaces as traditional modular plugs.

The TX6A Field Term Plug is designed to be connected to common plug attached network devices such as:

### **Wireless Access Points**

Provides WiFi coverage in buildings & spaces through cabled connection to local area network, and very often powered directly from the local network using Power over Ethernet (PoE). For larger spaces or building floors multiple WAPs are used to ensure adequate coverage.

Used in commercial offices, retail stores, schools, hospitals, sporting venues, hotels, convention centers, airports, and anywhere else wireless internet connectivity is needed.

### **Security Cameras**

Used to monitor & record activity for safety and security. Newer cameras have higher resolution and enhanced Pan-Tilt-Zoom (PTZ) capabilities, enabling remote manual control over the network. Increasingly are powered over the network by PoE.

Commonly deployed in banks, parking structures, retail stores, schools, warehouses and commercial buildings.

### **Sensors**

Available to sense a wide range of conditions – motion, occupancy, brightness, or temperature for example – and integrated with other devices through connection to the network to enable enhanced security, lighting, and heating/cooling systems.

Prevalent in commercial office buildings, retail spaces, public venues, government buildings, factories and warehouses



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## *LED Lighting*

Highly efficient lighting that can be powered and controlled by the network, and made intelligent by integration with sensors, enabling automated on/off and dimming functions based on occupancy or ambient lighting conditions. May also be controlled remotely over the network.

One of the newest network-powered and controlled devices, being deployed in new commercial offices, factories, warehouses, schools and government buildings



## *Access Controls*

Keypads, badge readers, or biometric readers used to control access into and within buildings. Can be powered by PoE and may be integrated with security cameras or sensors also connected to the network.

Used in government facilities, commercial buildings, research facilities, factories and retail back-offices, among others.



## *Digital Displays*

Promotional or informational signage displaying content delivered over the network in public spaces. Often ceiling or wall mounted.

Found in retail venues, hotels and convention centers, airports, sporting venues, and factories.



## *Frequently Asked Questions*

- 1. What performance levels does the TX6A Field Term Plug support?** The plug supports Category 6A, 6, and 5e performance levels in one product.
- 2. Does the TX6A Field Term Plug support unshielded or shielded cable systems?** The TX6A Field Term Plug currently supports only UTP cabling systems.
- 3. Where are detailed termination instructions for the TX6A Field Term Plug?** Installation instructions and video on [Panduit.com](http://Panduit.com)
- 4. Is the TX6A Field Term Plug rated for Plenum environments?** Yes, because many of the attached devices are network powered by PoE, the TX6A Field Term Plug is designed to operate in the elevated temperatures of plenum and air handling environments.
- 5. What tool is required for terminating the TX6A Field Term Plug?** The plug requires EGJT-1, a new version of EGJT that terminates all the TG Style modular jacks of the previous tool and adds capability in the same tool to properly terminate TX6A Field Term Plug. EGJT-1 is the replacement for EGJT.

