

# TZ Centurion™ Bridge



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infrastructure

ixp.tz.net

TZ Centurion Bridge, an IP based gateway, is the central control unit for the TZ Centurion System that provides power and RS485 data communications to a range of TZ locking devices, TZ Sensors and third party credential readers connected to the TZ network through structured Cat5e / Cat 6 cabling.

The TZ Centurion™ Bridge can be operated as a stand-alone Access Control System using the integrated TZ web client, part of a multi-TZ Centurion™ Bridge network managed by TZ Centurion™ Server Software or through custom integration with third party control systems using proprietary API level interfaces.

## Features

- > Proprietary IP to RS485 gateway provides power and RS485 communication to TZ devices via standard structured Cat5e / Cat6 cabling up to 100m and connection to IP networks or popular web browsers.
- > Easy to use web client application for quick system set up and management.
- > Remotely upgradeable firmware.
- > Comprehensive event and alarm logs stored locally with simple export functionality.
- > Ethernet port for IP connection and 8 RJ45 ports for the RS485 based TZ Network. Port replication to support up to 70 connected devices is provided by the TZ Centurion Multi Port Link and Port Links.
- > Supports environmental monitoring (temperature, humidity, liquid presence, intrusion) with the addition of TZ Sensors. System events and sensor threshold breaches can be alarmed to trigger relay output.

- > Supports third party Wiegand compatible readers and credential devices.
- > Compact form factor; can be mounted 0RU or 2 x TZ Bridges in 1RU rack mount bracket.

## Benefits

- > Enables the control of a network of TZ locking devices, TZ Sensors, readers and components in a cost effective, scalable and simply installed manner using industry standard structured cabling.
- > User friendly web interface for management, control, monitoring and system access.
- > Stores event records for audit trails – downloadable through the web interface from any location.
- > Records environmental data in CSV format – downloadable through the web interface or via a SD card for post processing and analysis.
- > Integrated POE style power supply provides powering to connected devices eliminating in-cabinet supplies.
- > Allows multiple 3rd party RFID card or biometric readers anywhere on the network.
- > Flexible mounting options and small size allows installation in most spaces and mounting kits allow rack mounting of two units per 1U of rack space.



## Specifications Overview

Specifications subject to change to suit particular application requirements.

### Physical And Mountings

- > Dims: 173mm x 110mm x 28mm (6.8" x 4.3" x 1.1")
- > Weight: 540 g (1.2 lbs)
- > Mounting: Screws through bottom

### CAUTION:

This product should not be installed in a way that compromises the Ingress Protection (IP) rating of the enclosure in which it is mounted. Do not drill or otherwise produce metal shavings around electronic equipment.

### Environmental and Performance

- > Operating temperature: -15°C to +55°C (+5°F to +131°F)
- > Storage temperature: -55°C to +85°C (-67°F to +185°F)
- > Humidity (operating): 95% RH at 50°C (122°F)
- > Non-combustible
- > Ingress protection: IP 21

### Electrical

- > Supply voltage: 12/24VDC
- > Power usage: 1W (does not include connected devices)
- > 1 x Ethernet Port, Power-over-Ethernet IEEE 802.3af
- > 2 x Dry Contact outputs, 32VDC 5A (Active when powered with external 24V DC power supply only)
- > 2 x Contact Closure auxiliary inputs
- > SD card port
- > RS-485 multi-drop communications interface via RJ-45
- > RJ-45 pin out: 1: +Coms | 2: -Coms | 3 & 4: Not Used, 5: Gnd | 6 & 7: Not Used | 8: +V

### Standards Compliance

- > FCC Part 15 Class B, CE, UL (c-us) per IEC/UL/CSA 60950-1
- > RoHS compliant
- > One year limited warranty

## Dimensions (mm)

