

## TZ CENTURION™ BRIDGE

### IP-BASED GATEWAY

## PRODUCT OVERVIEW

TZ Centurion Bridge (IP-based gateway) is the central control unit for the TZ Centurion System providing 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 standalone 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 & Benefits

- 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, 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.
- 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 third 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

- Dimensions: 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)
- Ingress protection: IP 21
- Non-combustible

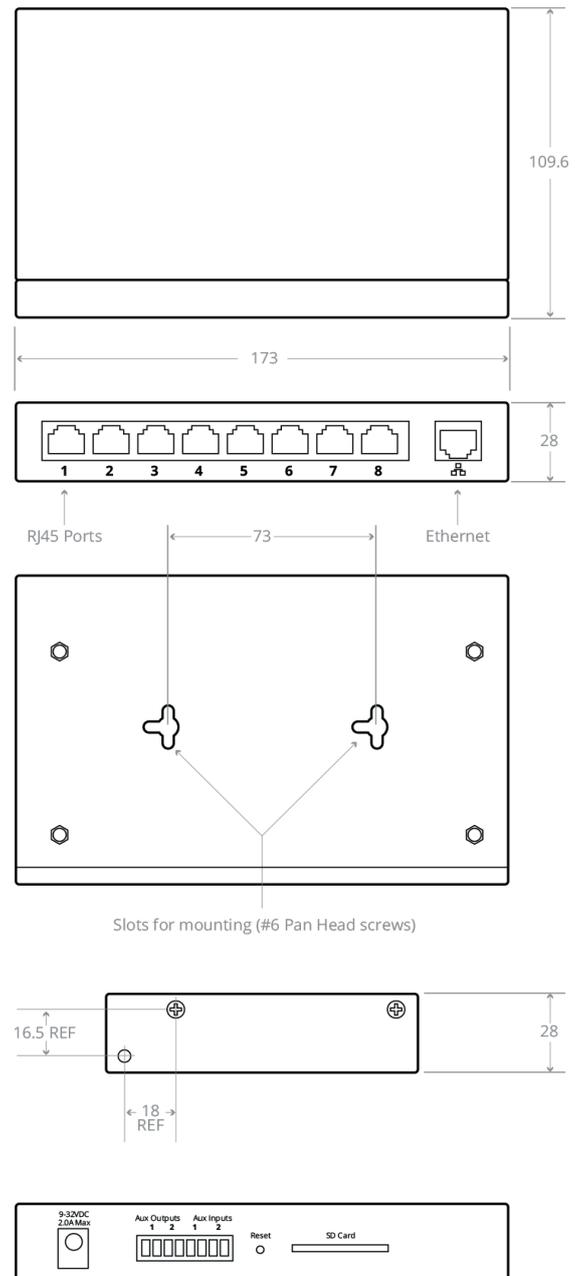
## Electrical

- 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, 6, 7: Not Used | 5: Gnd | 8: +V

## Standards Compliance

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

## Dimensions (mm)



Ver: EDPTZCB0723.1