TZ Centurion™ Bridge

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 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, 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 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.

SMArt™
Cabinet Security

Think SMArt. Think TZ.
www.**tzsmartcabinets**.net

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)

RJ45 Ports   73   Ethernet

Slots for mounting (#6 Pan Head screws)

16.5 REF   28

18 REF

9-32VDC 2.0A Max   Aux Outputs 1 2   Aux Inputs 1 2   Reset   SD Card