TZ Centurion™ Bridge

Model Numbers: 7130CF, 7131CF, 7132CF

infrastructure
protection

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)