

# TZ Centurion™ System

For Stand-Alone Access Control and Environmental Monitoring



infrastructure  
protection

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infrastructure

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The TZ Centurion System solution truly defines micro-protection. The System's IP based access control system focuses on delivering physical security and environmental monitoring such as temperature sensing, humidity sensing and leak detection at the most granular level from anywhere in the world.

TZ Centurion is a cost-effective, flexible, retrofitable and easy to implement solution that is designed specifically to protect your organisation's most valuable and sensitive assets.

Built on an open and extendable architecture, the patented decentralised and embedded intelligence within the system locking devices provide an unprecedented level of capability that cannot be readily delivered by conventional systems in terms of the integrity, control, auditability and traceability of discrete assets.

Up to 70 TZ locking devices and 140 TZ Sensors can be connected to each TZ Centurion Bridge. Each Bridge can be managed individually or scaled to a larger system, allowing hundreds of networked TZ locking devices, sensors, gateways and other third party components to be administered through TZ Centurion Server software.





## TZ Components

## Description

### TZ SlideHandle™ and Swinghandle™



- > Intelligent locking devices integrating a high load Shape Memory Alloy (SMA) actuated locking mechanism.
- > The TZ SlideHandle offers a drop-in replacement for legacy manual swing-handle data center cabinet locks with touch to release option, multi-color LED status indicator, manual key release for emergency over-ride and electronic contact sensor as a further confirmation of the door state.
- > The TZ SwingHandle is a new innovative locking handle for data center cabinets that offers an upgrade path from its TZ-Ready base form to a fully intelligent smart device.
- > Powered and controlled via standard Cat5e / Cat6 cabling through a TZ Centurion Bridge.

### TZ Centurion™ Port Link and Multi-Port Link



- > TZ Centurion Port Link provides a connection for one TZ device plus RS485 and power connections for the continuation of the network. An on-board screw terminal supports the connection of two auxillary inputs for devices such as temperature and door status sensors, and two auxillary outputs for accessories like in-cabinet task lighting and fans.
- > The TZ Centurion Multi-Port Link can provide power and serial data connection for up to four TZ devices plus RS485 serial data connections for the continuation of the network. The Multi-Port Link can also act as an inline power injector in order to power devices and provide four additional I/O connections for accessories like sensors, incabinet task lighting and fans.

### TZ Centurion™ RFID and Weigand Translator



- > The TZ Centurion RFID reader can operate on a stand-alone basis controlling a small network of devices, or as a network device that transmits information — like access attempts — to the system level.
- > Provides access control by interpreting industry standard Wiegand data stream from third party security input such as from card readers or biometric scanners.
- > Operates both stand-alone controlling a small group of networked system devices, or as a network device that transmits information to the rest of the network.
- > Provides 3rd party reader with external power, 12/24vdc bus power pass-through or 12vdc from TZ bus via integrated transformer.

### TZ Centurion™ Bridge



- > TZ Centurion Bridge is an IP-based gateway that provides power and communication to a range of TZ locking devices, sensors, readers and other components operating on a RS485 network running on structured Cat5e / Cat6 cabling.
- > The TZ Centurion network can be operated as a stand-alone system using the integrated TZ web client as a component of a separate enterprise application, or as part of a multi-TZ Centurion Bridge network managed by TZ Centurion Server, or through integration with a third party access management database via SNMP.