

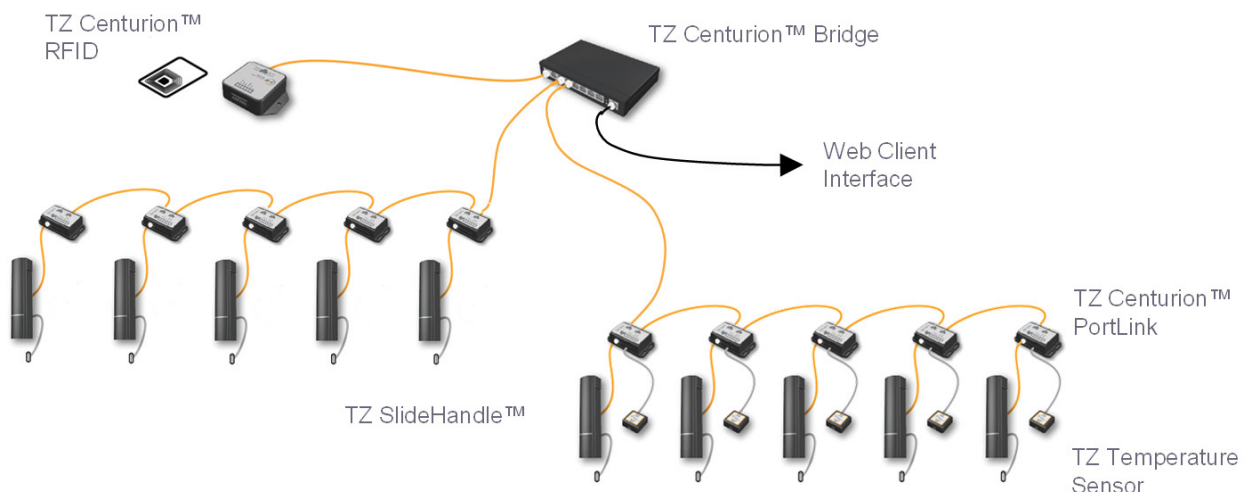
## TZ Centurion™ Rack Access Control System

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 has been designed specifically to protect your organisation's most valuable and sensitive assets.

TZ have developed a security lock for data cabinets that has an Intelligent Locking Engine powered by Shape Memory Alloy, it is a unique system that can be accessed at rack level via proximity card, or remotely monitored and opened. This security solution gives IT personnel reach on to the data cabinet itself and provides an audit trail of who has opened / entered the cabinet and at what time.



The TZ Centurion™ system has three options available, Centurion8, Centurion32 and the Centurion70 which has the ability to manage up to 8/32/70 TZ locking devices 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, gateways and other third party components to be administered through integrated software via web browser, the TZ Centurion™ Server software for larger installations or through a third party network management system that supports Simple Network Management Protocol (SNMP).



## TZ SlideHandle™ / TZ Radial™



**TZ SlideHandle™** is an intelligent locking device that offers a drop-in replacement for legacy manual data centre cabinet locks. The device integrates a high load Shape Memory Alloy (SMA) actuated locking mechanism with touch to release option, a multi-colour LED status indicator, manual key override, electronic door status sensor and RJ-45 connector.

The TZ SlideHandle™ is powered and controlled via standard UTP CAT5e / CAT6 cabling through the TZ Centurion™ Bridge.

**TZ Radial™** is a compact, lightweight device with embedded intelligence for networking, switching and connection with other smart objects. The TZ Radial™ locking device can be operated via a range of triggers, including internal sensor, push button, contact closure, or RS-485 serial communications network command. The device also features a manual override.

## TZ Sensors™



**TZ Sensors™** are an extremely cost-effective way of providing environmental monitoring within the TZ Centurion™ network. The sensors offer cabinet level monitoring of a range of operating conditions including: Temperature, humidity, door contact and leak detection.

- TZ Temperature Sensor measures the ambient temperature within the cabinet, measuring temperatures between -15°C to 60°C (5°F to 140°F).
- TZ Relative Humidity Sensor measures relative humidity between 5% and 95%
- TZ Contact Sensor is a magnetic reed switch, which allows the TZ device to determine when a door is open or closed.
- TZ Leak Detection Sensor is a sealed optical device that can detect the presence of liquids.

## TZ Centurion™ Link Modules



**TZ Centurion™ Port Link** provides dynamic and cost effective security, sensing and power expansion for the TZ Centurion™ system. The TZ Centurion™ Port Link provides connection for one TZ device, plus RS485 and power connections for the continuation of the network. The on-board screw terminal supports connection of two auxillary inputs for sensors and two auxillary outputs for accessories such as task lighting or fans.



**TZ Centurion™ Multi Port Link** further expands the power and serial data connection of the TZ Centurion™ system to up to four TZ devices, plus RS-485 serial data for the continuation of the network. The Multi Port Link also acts as an inline power injector in order to power four devices and also provides four additional I/O connectors for sensors, task lighting and fans.

## TZ Multi-Tech Reader



**TZ Multi-Tech Reader** is a versatile reader that simplifies access to the TZ rack security system via its ability to read a variety of smart cards from multiple manufacturers. The TZ Multi-Tech Reader is easy to install thanks to its quick connect design and simple wiring. The reader has a tri-state LED that provides visual indication of card reads with audio feedback as well.

## TZ Centurion™ Wiegand Translator



**TZ Centurion™ Wiegand Translator** interface connects to a TZ Centurion™ network and provides access control by interpreting a Wiegand data stream from third party security input devices such as from card readers or biometric scanners. The Wiegand Translator can operate as a stand-alone unit controlling a small group of networked system devices, or as a network device transmitting information, such as access attempts, to the rest of the network.



## TZ Centurion™ Bridge



**TZ Centurion™ Bridge** is an IP based gateway that provides power and communication to the 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.

## TZ Centurion™ Bridge Web Client / TZ Centurion™ Server

Date / Time	Name	Primary Name	Secondary Name	Alarm Description
31 Mar 2010 07:35:51	SYSTEMBOOT	CLOUDBRIDGE	mybridge	CLOUDBRIDGE BOOT
31 Mar 2010 07:36:54	SYSTEMBOOT	CLOUDBRIDGE	mybridge	CLOUDBRIDGE BOOT
31 Mar 2010 07:36:22	SYSTEMBOOT	CLOUDBRIDGE	mybridge	CLOUDBRIDGE BOOT
31 Mar 2010 07:34:11	SYSTEMBOOT	CLOUDBRIDGE	mybridge	CLOUDBRIDGE BOOT
31 Mar 2010 07:05:36	SYSTEMBOOT	CLOUDBRIDGE	mybridge	CLOUDBRIDGE BOOT
31 Mar 2010 07:04:36	SYSTEMBOOT	Ag	Patha	CLOUDBRIDGE BOOT
31 Mar 2010 07:01:36	SYSTEMBOOT	Ag	Patha	CLOUDBRIDGE BOOT
31 Mar 2010 06:58:21	SYSTEMBOOT	Ag	Patha	CLOUDBRIDGE BOOT
18 Mar 2010 13:08:00	SYSTEMBOOT	dev bridge	Updars	CLOUDBRIDGE BOOT
18 Mar 2010 12:17:39	SYSTEMBOOT	dev bridge	Updars	CLOUDBRIDGE BOOT

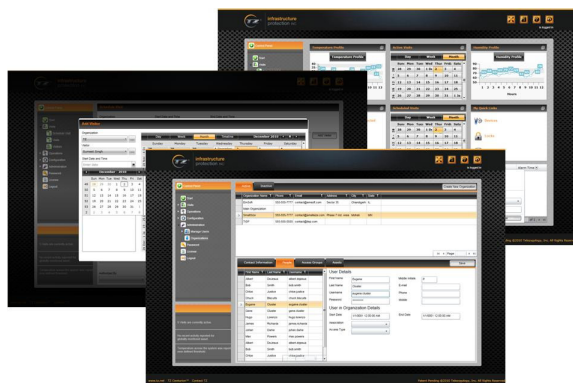
  

Date / Time	Name	Primary Name	Secondary Name	Event Description
31 Mar 2010 08:53:52	admin	Technician	-	USER DATA EDITED
31 Mar 2010 08:51:22	admin	Row2 C484 Temp	-	ALARM ADDED
31 Mar 2010 08:50:13	admin	Row2 C482 Temp1	-	ALARM DELETED
31 Mar 2010 08:50:08	admin	Row2 C482 Temp1	-	ALARM DATA EDITED
31 Mar 2010 08:49:43	admin	Row2 C484 BACK	F000000004	DEVICE DATA EDITED
31 Mar 2010 08:49:24	admin	Row2 C484 FRONT	0000000005	DEVICE DATA EDITED
31 Mar 2010 08:49:02	admin	Row2 C482 Temp1	F000000004	ALARM ADDED
31 Mar 2010 08:12:35	-	Row2 C484 BACK	F000000004	DEVICE LOCKED
31 Mar 2010 08:12:22	-	Row2 C484 BACK	F000000004	DEVICE UNLOCKED
31 Mar 2010 08:12:16	-	Row2 C484 FRONT	0000000005	DEVICE LOCKED
31 Mar 2010 08:12:10	-	Row2 C484 BACK	F000000004	DEVICE OPENED
31 Mar 2010 08:12:06	-	Row2 C484 BACK	F000000004	DEVICE UNLOCKED
31 Mar 2010 08:12:06	admin	Row2 C484 BACK	F000000004	Message UNLOCK command initiated
31 Mar 2010 08:11:55	-	Row2 C484 FRONT	0000000005	DEVICE UNLOCKED
31 Mar 2010 08:11:50	-	Row2 C484 FRONT	0000000005	DEVICE OPENED

Web Client

The **TZ Centurion™ Bridge** serves as the controller for small networks of devices, via its embedded web-based user interface. The interface provides the capability to:

- Setup and configure devices.
- User and RFID setup and permissions.
- Alarm configurations for sensors.
- Downloadable event and alarm logging.
- Device status control panel.
- IP and network configuration.
- Configure SNMP control and monitoring.



TZ Centurion™ Server

**TZ Centurion™ Server** is a scaleable and affordable software platform, based on Microsoft® RIA technology. It provides centralised remote management of critical assets managed by the TZ Centurion™ system such as computer cabinets, high tech equipment and other secure environments. The system stores all of the received data, events and logs in a central database that generates detailed audit trails, analytical reports and graphs to meet the most stringent regulatory compliance demands.