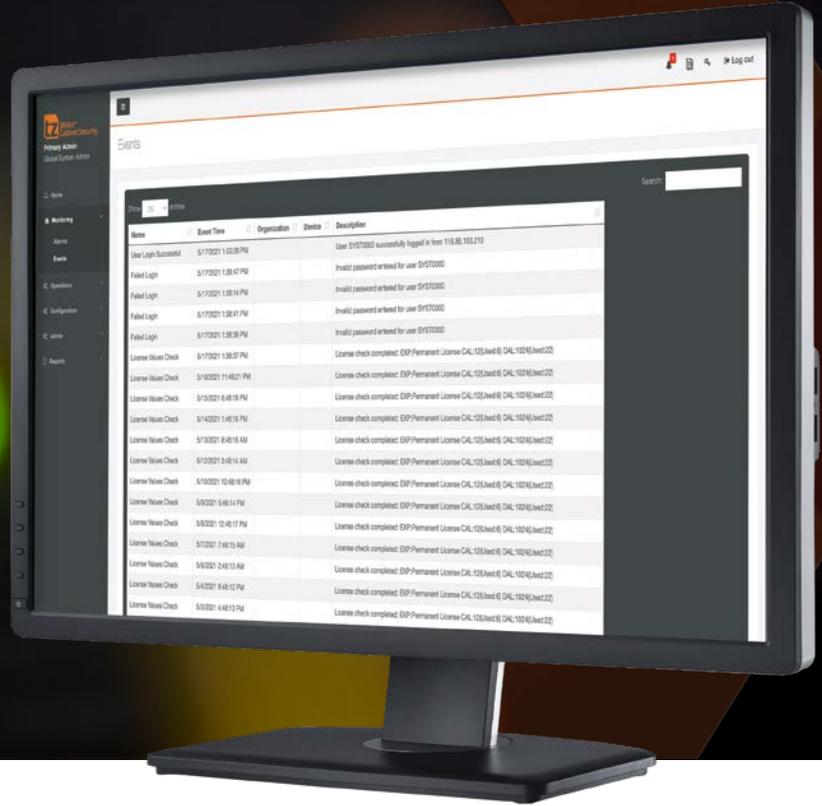


TZ Centurion™ Enterprise

Advanced Layer-6 rack-level security management solution

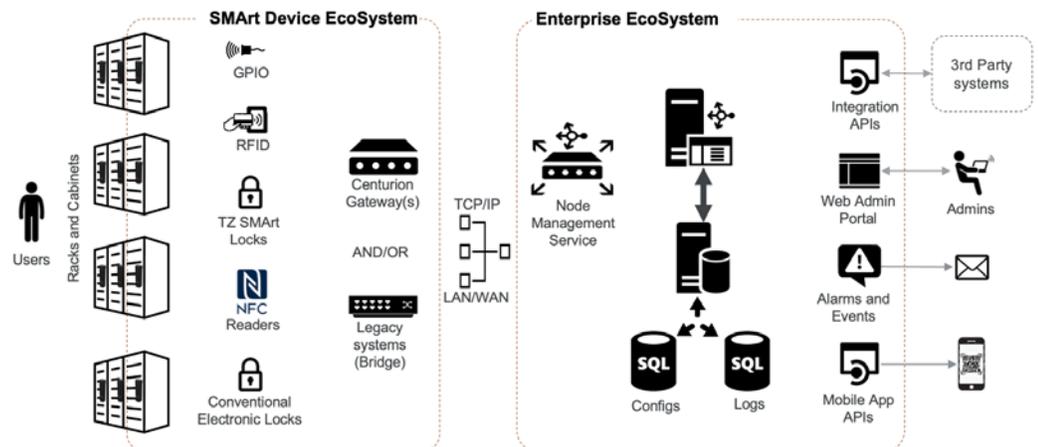
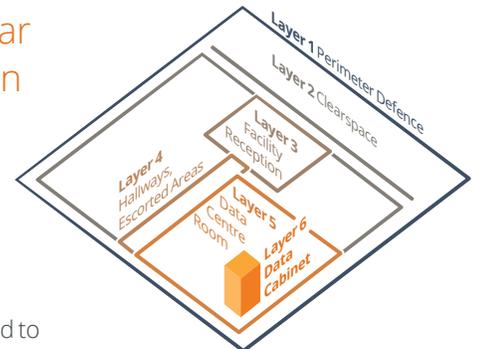


The TZ Centurion Enterprise System provides secure and granular access control and management for cabinets, racks and closets in data centers, server rooms and similar facilities.

- Scalable solution based on industry standard systems and protocols
- Secure, centralized management of rack level access
- Automated tracking and reporting of access to racks with comprehensive auditability
- Flexible API based integration with building access management systems
- Advanced, patented and secure TZ SMARtLock technology in each cabinet
- Enterprise-wide solution also capable of controlling legacy electro-mechanical locks
- Supports a wide range of RFID, NFC and biometric authentication systems
- Mobile app and APIs provide for flexible authentication and control of access to racks

Amongst data center operators and organizations processing and storing sensitive data that is subject to enhanced physical security compliance, the term **Layer 6** is generally accepted to describe physical security at the infrastructure cabinet level

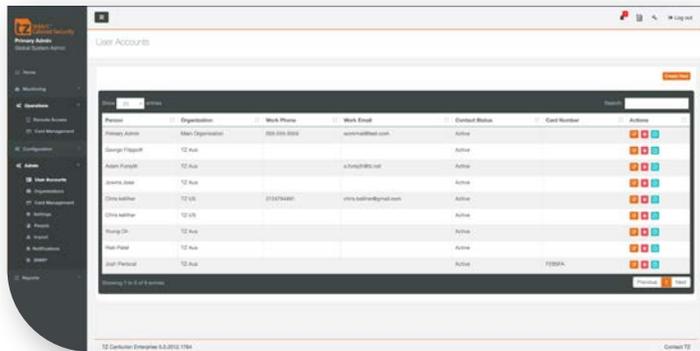
This includes IT, telecommunications and infrastructure racking and cabinets typically located in network closets, data centres, computer and facility mechanical rooms.



Centurion Enterprise Management Software

The Centurion Enterprise Management Software is the heart of a TZ Centurion solution. This advanced database driven platform provides the critical link between building access systems and micro-security control of locks in cabinets, racks and access points.

Built on an open and extensible architecture, the patented decentralised and embedded intelligence within the system provides 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.



- › Centralised management of all Centurion components in a network
- › Secure data management at-rest, in-use and in-transit
- › Modern, fast web browser interface
- › Monitoring of alarms and events
- › Configuration and management of people, organizations, cards and user accounts
- › Remote unlocking and opening of single or groups of racks
- › Range of reports on key aspects of the system
- › Enterprise features including:
 - › SNMP support
 - › API web service for managing aspects of the system from an external source
 - › Publishing of alarms and events externally
 - › Support for large scale deployments with multiple load balanced TZ Centurion Enterprise instances communicating with a distributed cache service

TZ SMARtLocks

Based on TZ patented shape memory alloy (SMA) technology TZ SMARtLocks offer unmatched performance and flexibility in a wide range of applications. TZ SMARtLocks do not use electromechanical systems as do other locks thereby ensuring low power consumption, high reliability and no EMF energy when activated – important factors for securing access to sensitive systems and equipment.

TZ SlideHandle: offers a drop-in replacement for legacy manual data center cabinet locks to provide touch to release operation, multi-color LED status indicators, manual key release for emergency over-ride and electronic contact sensors as a further confirmation of the door state.

TZ PushLock: a unique 'split' locking mechanism with similar conventionality to SlideHandle but best suited to cabinet and frame types where it is not acceptable to modify the door or to replace the existing locking and latching mechanisms.

TZ DoorLock: a surface mount locking device that includes LED illumination, manual key override designed for access control of cabinets, lockers and doors.



TZ PUSHLOCK



TZ SLIDEHANDLE



TZ DOORLOCK

TZ Centurion Mobile App

TZ Centurion solutions support a number of different ways to authenticate a user seeking access to a rack or cabinet. This includes conventional systems found in many locations such as RFID cards, NFC and even biometric access systems. In addition, Centurion also offers a unique mobile app that allows authorised and authenticated users to access those locations for which they have permissions.

The Centurion mobile app understands security. It can be constrained to operate within specific locations such as a floor of a building to prevent unauthorized or accidental opening of locks and therefore can only be used by personnel already inside the other layers of security at a location. It also requires appropriate authentication to access on a user's mobile device; and encrypts data in-transit. Lastly, it is managed centrally by the Centurion Enterprise Management Software, including full audit logs of access.



TZ Centurion™ Gateway

TZ Centurion Gateway is an intelligent management node forming part of the Centurion network providing the key communications interface between TZ SMARtLocks and other electronic locks installed in racks, cabinets and doors and the Centurion Enterprise Management Software.

A rackmount device capable of managing and providing power for up to 128 connected devices the Centurion Gateway features redundant power supplies, high speed ethernet uplink, and state of the art communications protocols including TLS1.3 to ensure security of data in-transit between cabinet locks and the Enterprise Management Software.

