ANIXTER

Products. Technology. Services. Delivered Globally.

TZ PRAETORIAN™
CABINET LOCKING SYSTEM

Anixter is a leading global supplier of communications and security products, electrical and electronic wire and cable, fasteners and other small components. We help our customers specify solutions and make informed purchasing decisions around technology, applications and relevant standards. Throughout the world, we provide innovative supply chain management services to reduce our customers' total cost of production and implementation.

We are very proud of the quality products we distribute (over $1 billion of inventory from best-in-class manufacturers), but the reason our customers count on us day in and day out is not just about world-class, quality products. Our customers know they can count on Anixter to deliver consistent, superior service and support around the world. And when we say we are global, we mean it. We do not just ship products from the U.S. to various countries; we stock inventory in each country, and we are specialists at moving inventory across borders efficiently and cost effectively. Anixter is located in 50 countries around the globe, and our in-country sales specialists are familiar with the trends and needs in the local market, as well as local currencies, standards and customs. We speak 30 different languages to serve our customers' diverse needs.

TZ PRAETORIAN CABINET LOCKING SYSTEM

THE ANIXTER DIFFERENCE

Innovation is constant at Anixter's Infrastructure Solutions Lab℠. This innovation has produced advancements for a wide array of technological disciplines, including cable testing and manufacturing, network design and implementation, software development, and wireless, video surveillance and access control evaluation. Anixter's commitment to technical innovation has led to another breakthrough in the data center: the TZ Praetorian Cabinet Locking System.

The concept for the system originated from customer feedback that reflected a growing interest in enhanced security at the cabinet. Based on the input received, the system needed to provide features not available on current cabinet electronic locking systems, such as providing a detailed audit trail to meet compliance requirements, operating over an open architecture and reducing the amount of equipment needed.

The TZ Praetorian Cabinet Locking System was developed as a collaborative effort between Anixter's Infrastructure Solutions Lab and Telezygology Inc. (TZ). As an innovator in intelligent fastening solutions, TZ provided Anixter with the design and manufacturing capabilities. Anixter's enterprise cabling and security specialists offered their expertise and defined many of the system features based on customer feedback. The result is a much more affordable, flexible and dynamic solution that provides secure control at the cabinet level.

ANIXTER'S INFRASTRUCTURE SOLUTIONS LAB

The Infrastructure Solutions Lab℠ allows Anixter to actively demonstrate for customers the best practical technology solutions from best-in-class manufacturers in the areas of enterprise cabling, video surveillance and access control. The mission for The Lab is simple: educate, demonstrate and evaluate.

- Educate customers on the latest security and networking best practices, standards and technologies being deployed in the networking and security market

- Demonstrate the latest enterprise cabling and security solutions available from manufacturer partners

- Evaluate our network infrastructure and security solutions so customers select the right systems for their specific needs

"TZ worked closely with the team at Anixter in developing TZ Praetorian. Together, enabled through the intelligence of the TZ SlideHandle™ electronic lock, we have developed a solution that offers data center managers the ability to offer intelligent security down to the individual cabinet door."

Kenneth Ting, TZ Director

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TECHNICAL OVERVIEW

The foundation of a company's network lies in the data center. Rows of cabinets house and protect the equipment that is responsible for day-to-day operations supporting dozens, hundreds or even thousands of employees. Protecting these cabinets is essential for security and uptime. Designed specifically for data centers, the TZ Praetorian system bridges the gap between physical and logical security to create an access control solution at the cabinet level.

The TZ Praetorian Cabinet Locking System uses a nonproprietary, open-architecture infrastructure to seamlessly integrate with existing enterprise-class access control systems. It provides cabinet status and entry authorization with less equipment than conventional locking systems and uses an existing RJ45-based, unshielded twisted-pair cabling infrastructure. Providing the same functionality as existing cabinet-level access control solutions, the TZ Praetorian offers greater flexibility at a more affordable price.

The surface mount design of the TZ SlideHandle retrofits existing manually keyed swing handle latching systems to enable integrated electronic security and sensing. Bright LED light bands provide visual status indication and the system integrates manual keyed over-ride in the event of power failure, which also facilitates initial installation.

A single swipe of the same ID card used for building access provides timed authorization, push button operation of multiple cabinet doors with all events at individual doors reported to the access control system. The TZ Trigger™ device provides door security status of a cabinet row or entire room through illuminated colored LED push buttons, which provide "at a glance" feedback.

The system can be configured to react to cabinet events such as lock, unlock and manual override to trigger other access control security devices such as video surveillance capture or alerts.

The TZ Praetorian system includes three main components: TZ Junction™, TZ Trigger and TZ SlideHandle intelligent locking devices. The system, and therefore required component quantities, can be scaled to fit any number of cabinet doors. The TZ components have been tested and certified to meet FCC Part 15, UL/C(UL) 60950, and EU CE standards.

KEY FEATURES

- Open system compatible with broad range of enterprise access control systems
- Compatible with RJ45-based, twisted pair cabling systems up to 100 meters
- Visual indication and reporting of secured and unsecured states and true door status
- Authorized timed access to multiple doors with a single authorization
- Scalable for any number of cabinet doors
- Manual key override lock release
- Differentiated reporting of authorized or manual key release
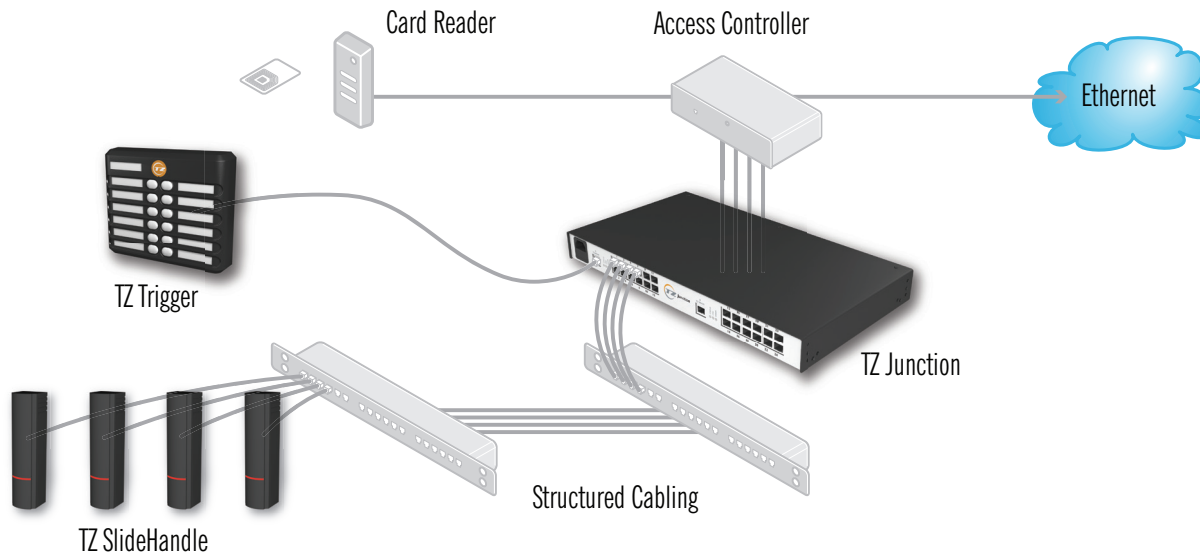- Flexible mounting options
- UL/C(UL) and CE certifications

"There was an industry need for a product that works with commercially available access control systems to provide right of entry to authorized cabinets and spaces. The TZ Praetorian provides better security at the individual cabinet level while providing an audit trail recorded for HIPAA and SOX compliance."

Andy Jimenez, Anixter's Vice President of Technology for Enterprise Cabling Solutions

TZ PRAETORIAN SYSTEM CONFIGURATION

The diagram below illustrates a typical TZ Praetorian system configuration.

Card Reader

Access Controller

Ethernet

TZ Trigger

TZ Junction

Structured Cabling

TZ SlideHandle

SYSTEM COMPONENTS

The TZ SlideHandle is an intelligent locking device that offers a drop-in replacement for legacy manual swing-handle data center cabinet locks. The device integrates a high-load shape memory alloy (SMA) actuated locking mechanism with touch to release option, a multicolor LED status indicator, manual key override, electronic door status sensor and RJ-45 connector. TZ SlideHandle is powered and controlled via standard UTP Cat 5e/Cat 6 cabling through a TZ Praetorian Junction or TZ Centurion Bridge.

The TZ Trigger is an indicator and interface device that visually communicates the status of up to 12 doors in the system and allows authorized users to open doors with a single button push. Colored LEDs behind each button indicate the state of cabinet or enclosure doors. Red means all enclosure doors are closed and secure. A flashing orange button indicates access is currently authorized and a button push will open an enclosure. A green button means that the door is not secure. The TZ Trigger can be mounted onto a cabinet, wall or electrical junction box in a location convenient for using and viewing the status of enclosures in the system.

The TZ Junction 7140AF and 7141AF interprets relay outputs from the enterprise access control system and responds with the status of TZ Praetorian system's components. The TZ Junction provides data communication and power to the TZ Trigger and 12 or 24 RJ45 ports that connect through structured cabling to TZ electronic locking devices. The TZ Junction also provides pluggable screw terminal blocks for 12 or 24 connections to the I/O cards of access control systems. The TZ Junction can be mounted in a 19-inch 1U rack space, wall, shelf or anywhere else convenient to the location of the access controller and a structured cable patch panel to reach multiple cabinets.

BENEFITS

The TZ Praetorian differentiates itself by offering many benefits not available on current cabinet electronic locking systems.

KEY

1. Single authorization enables multiple doors
2. TZ Trigger provides visual display of cabinet status
3. Utilizes existing structured cabling
4. TZ SlideHandle intelligent locks replace manually keyed swing handled latching systems
5. Manual key override
6. Compatible with existing access control systems
7. Enables audit trail through enterprise access control system
8. TZ Junction provides connection between locks and access control and powers the locks
9. Integrates with security cameras through enterprise access control system

	TZ Junction	TZ Trigger	TZ SlideHandle
Anixter Part No.	394281 / 394282	394280	Contact your local Anixter sales representative for ordering details.
Manufacturer Part No.	7140AF / 7141AF	8108AF	
Dimensions	434.1 x 209.2 x 43.7 mm 17.1 x 8.2 x 1.72 inches	175 x 148 x 33 mm 6.9 x 5.9 x 1.3 inches	182.3 x 43.5 mm 7.17 x 1.71 inches
Mounting	19 inch rack or wall	Adhesive or screws	Screws and clamp piece

INSTALLATION

The TZ Praetorian is available as a new cabinet installation or as a retrofit kit that can be seamlessly integrated into existing cabinets. Both the new cabinet installation and the retrofit kit are offered for cabinets from many major manufacturers. Please contact your local Anixter sales representative at 1.800.ANIXTER for more information.

OUR SUPPLY CHAIN SOLUTIONS

Anixter's Supply Chain Solutions can help customers stay profitable and competitive in the marketplace. By customizing our Supply Chain Solutions, we provide our customers with effective, scalable and repeatable solutions to eliminate costs, save time, mitigate risk and enhance productivity through the deployment process.

READY!^{SM} Deployment Services map our distribution and Supply Chain Solutions to the construction or deployment process of any technology project. We combine sourcing, inventory management, kitting, labeling, packaging and deployment services to simplify and address material management challenges at the job site(s). READY! Deployment Services by Anixter help customers improve the speed to deployment, lower total cost of deployment and deliver product specifications as planned.

READY.
DEPLOYMENT SERVICES
BY ANIXTER

DATA CENTER COLLEGE

As part of a larger Anixter University offering, Anixter developed Data Center College™ (DCC), a unique educational program, to assist our customers with designing and managing their data center effectively. The format for the DCC is a comprehensive array of technical and informational courses. DCC topics include:

- 10 Gigabit Ethernet
- Wireless
- Grounding and bonding
- Power over Ethernet (PoE)
- Thermal management
- Power distribution
- Intelligent Infrastructure Management (IIM)
- Access control and video surveillance

Data Center College

> To learn more about Data Center College, visit **anixter.com/au** or contact your local Anixter sales representative or call 1.800.ANIXTER.

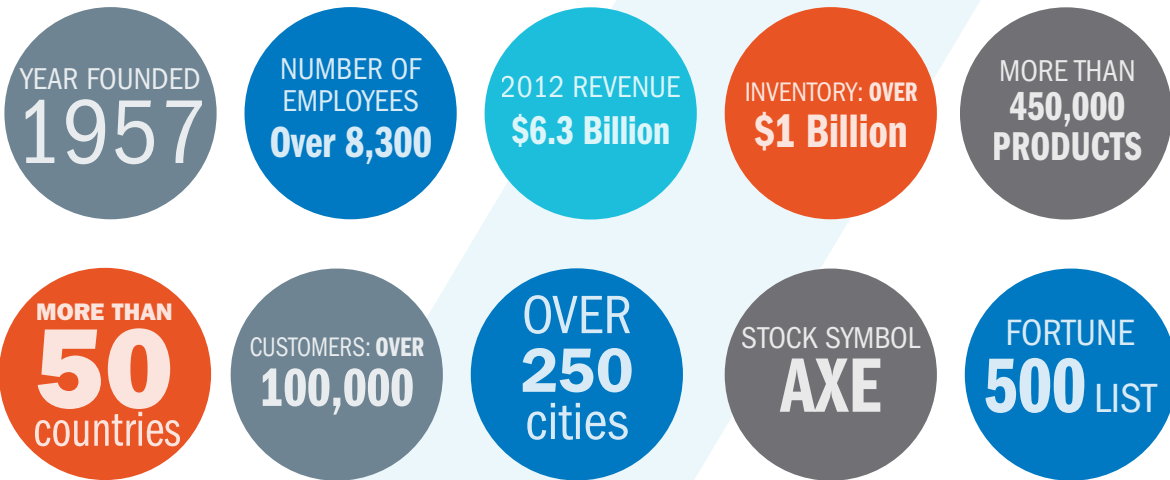Products. Technology. Services. Delivered Globally.

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Anixter Association and Committee Memberships

· Telecommunications Industry Association (TIA)
· International Organization
  for Standardization (ISO)
· Institute of Electrical & Electronics
  Engineers (IEEE)
· ONVIF
· Building Industry Consulting Services
  International (BICSI)
· Security Industry Association (SIA)
· Control Systems Integrators Association (CSIA)

Technical Certifications

· ASIS CPP
  (Certified Protection Professional)
· More than 90 Registered
  BICSI RCDDs
· PSPs (Physical Security
  Professional Certification)
· CCNAs (Cisco Certified
  Network Associate)

■ ANIXTER PRESENCE

YEAR FOUNDED
1957

NUMBER OF EMPLOYEES
Over 8,300

2012 REVENUE
$6.3 Billion

INVENTORY: **OVER**
$1 Billion

MORE THAN
450,000
PRODUCTS

MORE THAN
50
countries

CUSTOMERS: **OVER**
100,000

OVER
250
cities

STOCK SYMBOL
AXE

FORTUNE
500 LIST

> ## About Anixter

Since 1957, we've been leveraging our core strengths as a value-added distributor to better serve established and new markets. We are committed to providing innovative and reliable products and services, technical leadership and support, and an ever-expanding global reach.

Anixter will continue to listen to our customers to understand their specific requirements in the enterprise cabling, security, wire and cable, industrial automation and fasteners markets. We will remain flexible, innovative and aggressive in providing outstanding value to every customer we serve.

About Anixter: anixter.com/aboutus
Legal Statement: anixter.com/legalstatement

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