

Networked Multi-Door Access Controllers

Multi-site Security Management and Control System

- Suitable for medium to large scale installations
- Networked up to 1023 panels (up to 8184 doors)
- Supports up to 30,000 users and 20,000 event log entries per controller
- Scalable & flexible – Fits a wide range of applications
- Easy and fast installation
- Powerful and secure





Rosslare's advanced solutions allow managing entry access policies for multiple users, ensuring that the right people have the right access at the right time.

Overview

Rosslare's advanced Access Control systems provide comprehensive, modular, and versatile premises management solutions that can be easily scaled to handle anything from a single facility to multiple remote premises, and are ideal for a variety of premise types including government institutions, hospitals, research and academic facilities, as well as commercial offices. Rosslare's suite of access control solutions includes a wide range of expandable networked controllers for powerful access control including fully integrated audio/video-enabled control panels and video management capability. The system integrates the most advanced security technologies with innovative networking capabilities.

Rosslare's flexible solutions utilize the latest technologies to ensure compliance with access control standards and to protect business resources from unauthorized access. Rosslare's advanced solutions allow managing entry access policies for multiple users, ensuring that the right people have the right access at the right time.

Other powerful features in all the units, include 4-door interlocking, which prevents unauthorized users from gaining access, and first-person delay to auto-unlock, which provides access to authorized user groups only after a privileged user (e.g. manager) enters the premises. Easy-to-perform customized enhancements, such as elevator control, climate control, car parking management, and full integration with third-party solutions, such as video management solution and intrusion, keep the total cost of operation (TCO) within budget.

AC-215

Networked Access Controller

The AC-215 features both single-door and double-door control, supports up to 5,000 users, allows networking of over 2,000 doors, and employs flash memory for easy firmware upgrades. Operating on a powerful MS-SQL based software, the AC-215 can operate on PSTN telephony in cases where network infrastructure is unavailable. Communication is further enhanced with MD-N32, TCP/IP to RS-232 gateway or MD-M33, and an RS-232 to PSTN adapter.

Multi-site security can be customized on up to 1023 sites allowing for flexibility of deployment. The AC-215 records up to 5,000 events and allows reviewing entry/exit times of access per premises, allowing for greater control. Compared to other products in its class, the AC-215 offers the most time zones (up to 32 multiple segment time zones and 64 holidays), providing variable and multi-level security as needed.

Features:

- Wiegand Protocol Customization
- Card + Card on door for high-level security
- Global anti-passback
- Scalability – The system manages access for up to 5,000 users and 2,000 doors, avoiding the need to upgrade as an enterprise expands, thus minimizing costs.
- Accessibility – Robust networking options include PSTN telephony capability, as well as Ethernet and remote access options for more control in a dynamic environment.



AC-215IP

Advanced Networked Access Controller

Rosslare's AC-215IP boasts the best-in-class features, making it the ideal solution for businesses seeking a cost-effective, comprehensive, access control solution. Delivering scalable, multi-site access control, the AC-215IP can be easily deployed on over 2,000 doors, and can be grouped into over 1,000 subnetworks, ensuring that the right access is given to the right people.

The AC-215IP offers a wide range of features including customized, expandable inputs/outputs, unparalleled networking abilities including TCP/IP and on-site/off-site WAN and LAN communication for remote access management, integrated application capabilities and smart security logic rules enhancing safety while requiring less setup and installation time. The AC-215IP also seamlessly upgrades into an existing network, requiring less time to configure and manage.

Features:

Includes the full range of Rosslare's Access Control features such as:

- Car Parking Management
- Wiegand Protocol Customization
- Card + Card on door for high-level security
- Global anti-passback
- Scalability – System manages access for up to 30,000 users, 20,000 event log entries and more than 2,000 doors, avoiding the need to upgrade as an enterprise expands, thus minimizing costs.
- Accessibility – Robust networking options include PSTN telephony capability, Ethernet and remote access options for more control in a dynamic environment.



AC-225/225IP

Advanced 2-Reader Networked Access Controller

Rosslare's AC-225/225IP boasts the best-in-class features, making it the ideal solution for businesses seeking a cost-effective, comprehensive, access control solution. Delivering scalable, multi-site access control, the AC-225/225IP is easily-deployable on over 4,000 doors using expansions, and can be grouped into over 1,000 subnetworks, ensuring that the right access is given to the right people.

The AC-225/225IP offers a wide range of features including customized, expandable inputs/outputs, unparalleled networking abilities including TCP/IP (AC-225IP model only) and on-site/off-site WAN and LAN communication for remote access management, integrated application capabilities and smart security logic rules enhancing safety while requiring less setup and installation time. The AC-225/225IP also seamlessly upgrades into an existing network, requiring less time to configure and manage.

Features:

- Easy connectivity – Manages as many as 30,000 users and 20,000 event log entries with access rights for every panel controlling over 4,000 doors, all from a single server.
- Intelligent inter-connection – The system allows for easy connection of up to 8 outputs and 12 fully programmable inputs for additional peripheral premises management features such as garage entry, climate and lighting control, and operation of additional machinery.
- Up to 4 readers each with up to 32 panels per subnetwork on over 1,000 panels allows for customized deployment of a powerful enterprise-wide security solution.
- Includes the full range of Rosslare's access control features including:
 - Car parking management
 - Wiegand protocol customization
 - Card + Card on door for high-level security
 - Global anti-passback



AC-425/425IP

Advanced Networked Access Controller

Rosslare's AC-425/425IP takes access control to the next level with best-in-class features, making it the ideal solution for businesses seeking a cost-effective, comprehensive, access control solution. Delivering scalable, multi-site access control, the AC-425/425IP can be easily deployed on over 8,000 doors using expansions, and can be grouped into over 1,000 subnetworks, ensuring that the right access is given to the right people.

The AC-425/425IP offers a wide range of features including customized, expandable inputs/outputs, unparalleled networking abilities including TCP/IP (AC-425IP model only) and on-site/off-site WAN and LAN communication for remote access management, integrated application capabilities and smart security logic rules enhancing safety while requiring less setup and installation time. The AC-425/425IP also seamlessly upgrades into an existing network, requiring less time to configure and manage.

Features:

- Easy connectivity – Manages as many as 30,000 users and 20,000 event log entries with access rights for every panel controlling over 8,000 doors, all from a single server.
- Intelligent inter-connection – The system allows for easy connection of up to 8 outputs and 12 fully programmable inputs for additional peripheral premises management features such as garage entry, climate and lighting control, and operation of additional machinery.
- Up to 8 readers each with up to 32 panels per subnetwork on over 1,000 panels allows for customized deployment of a powerful enterprise-wide security solution.
- Includes the full range of Rosslare's access control features including:
 - Car parking management
 - Wiegand protocol customization
 - Card + Card on door for high-level security
 - Global anti-passback



AC-525

Video Integrated Access Controller

Simple to install and deploy, the AC-525 panel supports two analog camera inputs, voice channels, and PTZ (Pan, Tilt, Zoom) options, enabling high quality audio/video streaming in MPEG-4 format, synchronized with real-time access for rapid response time. The highly integrated panel has an embedded Linux OS with a built-in web server on an ARM-9 platform for maximum performance and flexibility among other solutions. It is ideal for schools, universities, banks, commercial, residential, medical, transportation, telecom, military, and other public installations.

The AC-525 is fully compatible with a wide range of analog cameras, avoiding the need to install expensive IP cameras, yet has an optional web browser interface for convenient remote access and remote LAN/WAN video surveillance, as well as digital multimedia recording. Industry standard-setting technology is typical with the AC-525 as each panel encodes and digitally broadcasts two audio/video channel signals over a built-in Ethernet TCP/IP connection. Flexible recording options are another advantage with a standard USB 2.0 Edge DVR, which provides revolutionary on-board local recording with up to 80GB USB key, as well as a range of triggers and server file-download options, reducing consumed bandwidth. In addition, the AC-525 also supports traditional NVR network server storage, with 2-channel PTZ control per panel. On-board options also include pre-alarm, post event timers, and custom recording preferences.

All panel features can be accessed with a single Ethernet port and IP address, and each panel is expandable by an additional 2-door module (MD-D02) or an 8-input/4-output module (MD-IO84). Multiple panels are managed using Rosslare's modular and scalable client/server software, AxTraxNG™, a complete solution for access control management.

Features:

- Maximum Time-To-Value – Rapid deployment with quick and easy installation
- Advanced Technology – Advanced MPEG-4 video/audio encoding and streaming over LAN/WAN, TCP/IP mobile devices and video systems
- Flexible Data Management – On-board Edge DVR for flexible recording, reducing bandwidth while backing up valuable data to the server





AxTraxNG™ is a cutting-edge, advanced client/server PC software suite, based on an MS-SQL database, enabling management of a modular networked access control system compatible with AC-215, AC-215IP, AC-225, AC-425, and AC-525 panels, as well as related expansion modules. The user-friendly system is controlled by multiple, local, or remote PC operators with secured, password-protected, dedicated privileges for each operator.

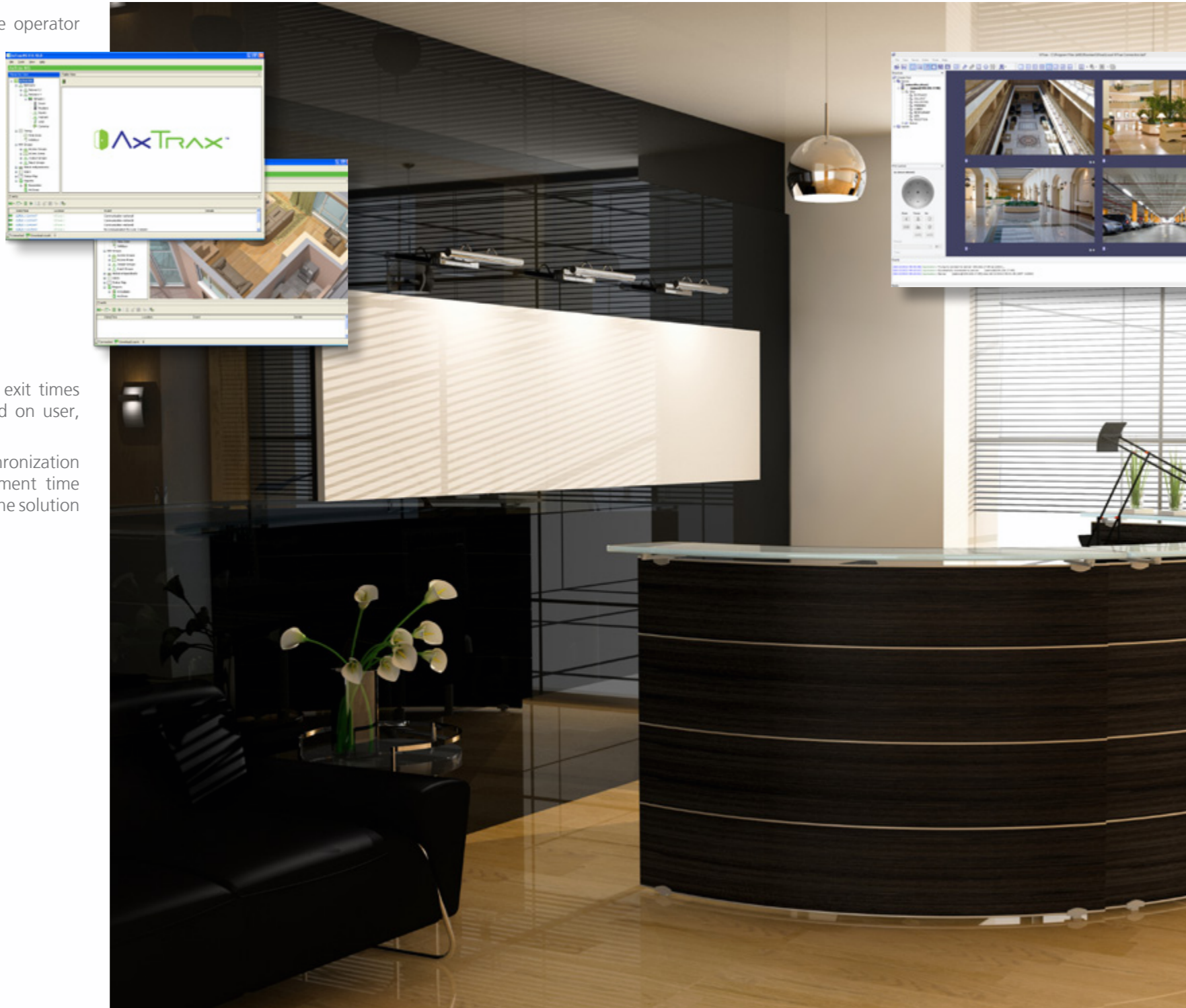
AxTraxNG™ is license-free for systems with up to 64 panels, and has three additional license levels. It runs on any PC and is compatible with Microsoft Windows® XP, Windows® 7 and Windows® 8. Flexible subnetwork connectivity featuring TCP/IP, PSTN, or RS-485 provides high level connection options for advanced installations.

The user-friendly PC software offers automatic panel detection and setup, as well as advanced panel link settings for full control over inputs, outputs, and events, which enables integration with other security systems and provides elevator control capabilities.

It boasts an intuitive layout that helps the operator reduce the complexity of managing user data, user photos, access rights, alarms, strike time, and door modes, all from one central location.

Features:

- Fully integrated with products such as video management and intrusion systems
- Supports a wide range of IP cameras using ViTrax™ video management server
- An extensive report module that has the ability to produce reports from various log entries, such as entry and exit times and alarm types can be focused based on user, location, and time
- Advanced alarm handling, full synchronization with Microsoft Outlook for multi-segment time zones and national holidays completes the solution package



ViTrax™ offers sophisticated, cutting-edge audio/visual networked access control in a simple and easy-to-operate solution. ViTrax™ provides a powerful, unified access control solution with audio and video (AV) capabilities and features easy-to-schedule recording and backup options powered by advanced NVR/surveillance client/server management software with an interface for viewing, recording and storage management of multiple AV channels. ViTrax™ supports a wide range of IP cameras including the open protocols of PSIA and Onvif.

ViTrax™ delivers high-performance AV intercom and access control video verification supporting a range of major digital video devices, frame grabbers, and Direct Show compatible devices, including configuration of the MD-N32 for further enhanced communication capabilities.

ViTrax™ software provides powerful NVR management tools, surveillance capabilities, and comprehensive reports to privileged users, enhancing control and facilitating informed decision making. ViTrax™ robust architecture provides an efficient command and control center with detailed authorization management and allows connecting multiple networked PC workstations for access to remote sites in both online and offline modes. ViTrax™ easily integrates optional inputs so that critical data is delivered in real-time for optimum security management.

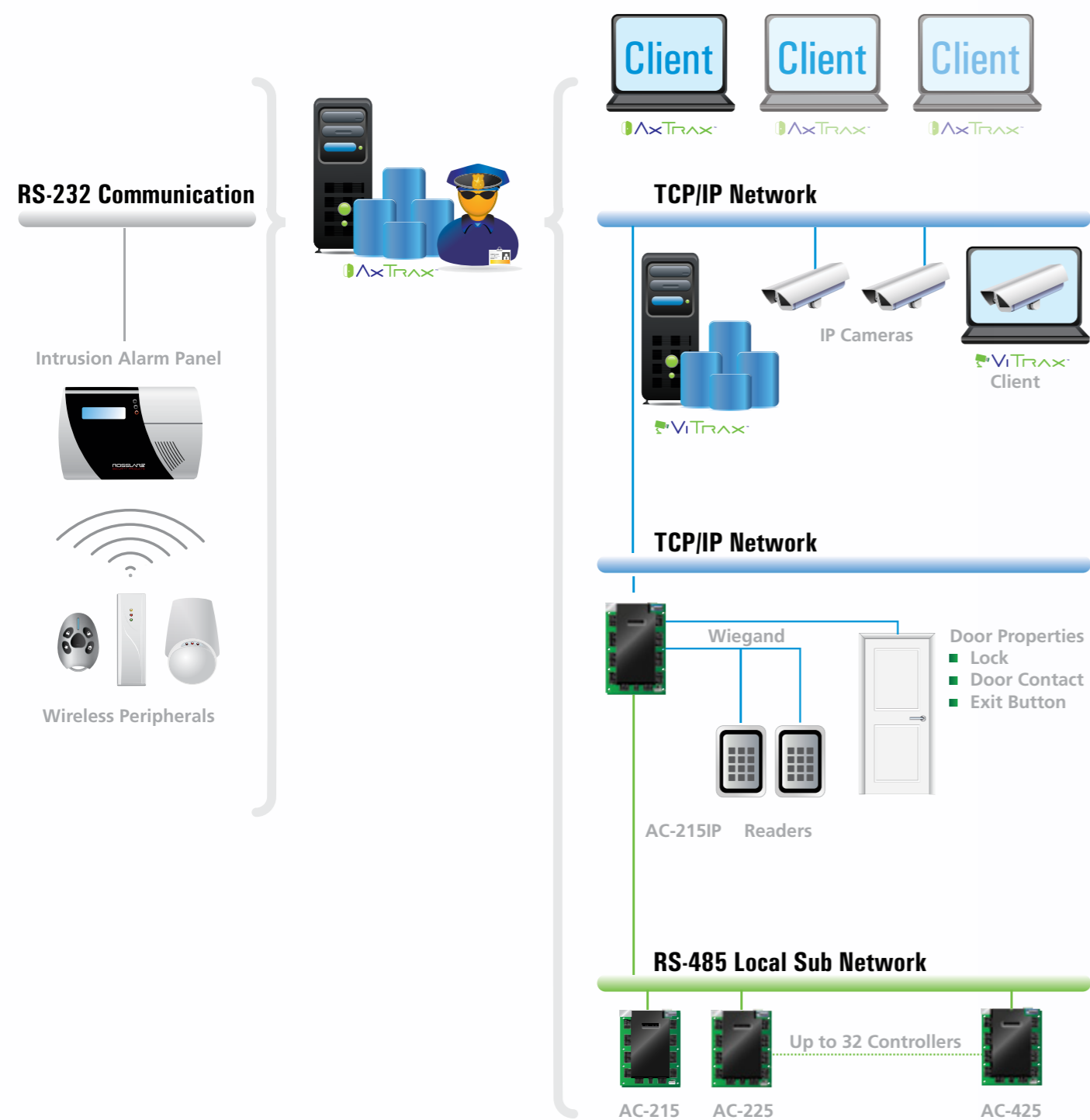
ViTrax™ provides a web and mobile management client that support any OS platform.

Features:

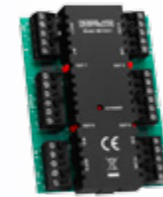
- Complete control – Customized multi-level privilege access for comprehensive premises management
- Enhanced features – Provides centralized event and alarm management in an intuitive, streamlined format
- Full compatibility – Seamless integration with additional devices including inputs, outputs, and third-party access control systems
- Easy operation – Multi-lingual support and simultaneous multi-screen viewing for comprehensive event management
- Advanced digital recording allows for data mining to identify and manage potential security breaches and exposures before they happen

Networked Access Control

System Architecture



System Expansions



MD-D02 Networked Accessories/Expansions

More control and less headache with this 2-reader expansion, a powerful extension designed to increase AC-225 capacity to up to 4 readers or 4 doors with additional 4 inputs and 4 outputs to drive down installation and maintenance costs and significantly reduce TCO.

The panel features easy-to-read status indicators and reader connections for the 4-input and 4-output operations including a door monitor switch, a request to exit button, and a door lock.



MD-D04 Networked Accessories/Expansions

More control and less headache with this 4-reader expansion, a powerful extension designed to increase AC-425 capacity to up to 8 readers or 8 doors with additional 4 inputs and 4 outputs to drive down installation and maintenance costs and significantly reduce TCO.

The panel features easy-to-read status indicators and reader connections for the 4-input and 4-output operations including a door monitor switch, a request to exit button, and a door lock.



MD-I084 Networked Accessories/Expansions

The MD-I084 I/O expansion card enhances the input/output capacity of Rosslare's networked controllers with 8 dual-EOL inputs and 4 outputs that support all small to medium business security and premises management needs. Outputs are fully programmable and scalable, providing seamless integration with a wide range of additional premises management functions. The MD-I084 provides an expanded performance-driven solution for enterprises requiring maximum control on a single or multi-site premise.

Additional inputs and outputs can be configured to support a wide range of auxiliary functions such as elevator operation, climate and lighting control, and garage/parking entry.

Spec	AC-215	AC-215IP	AC-225/IP	AC-425/IP	AC-525 (video enabled)
Max. Number of Users	5,000	30,000	30,000	30,000	30,000
Access Groups	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited
Event Log Buffer	5,000 events	20,000	20,000 events	20,000 events	20,000 events
Max. Readers	2	2	2 (onboard) + 2 (MD-D02)	4 (onboard) + 4 (MD-D04)	4 (using MD-D02)
Max. I/O capacity	4 Inputs, 4 Outputs	4 Inputs, 4 Outputs	Inputs 4 (onboard) + 8 (MD-IO84) or 4 (onboard) + 4 (MD-D02) Outputs 4 (onboard) + 4 (MD-IO84) or 4 (onboard) + 4 (MD-D02)	4 Inputs, 4 Outputs Using expansion module: MD-IO84 – 8 inputs, 4 outputs MD-D04 – 4 inputs, 4 outputs	4 Inputs, 4 Outputs Using expansion module: MD-IO84 – 8 inputs, 4 outputs MD-D02 – 4 inputs, 4 outputs
Inputs – 4-state Supervised					
Outputs – 5 A, Heavy Duty					
Communication Ports	RS-232, RS-485	RS-232, RS-485 or TCP/IP	RS-232, RS-485 (AC-225IP – TCP/IP on board)	RS-232, RS-485 or TCP/IP with AC-425IP	RS-232, RS-485 (AC-525IP – TCP/IP on board)
Power supply	12 V, 0.5 A + 1.5 A including charger	12 V, 0.5A + 1.5 A including charger	12 V, 2A + 3 A including charger	12 V, 2 A + 3 A including charger	16 VAC, 2.5 A

For more information, please contact your local Rosslare office

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