

AxTraxPro™

V28.0.3.x Access Control Management Software

Datasheet



Introduction

Rosslare's AxTraxPro™ client-server software management platform enables setting automated physical access control policy across facilities, perfect for today's most demanding users and organizations. The system can manage thousands of Rosslare networked access controllers and users, providing enhanced security with excellent system scalability and performance.

AxTraxPro offers a friendly web-based and mobile application interfaces that allow system operators to locally or remotely manage their on-premise AxTraxPro servers.

Integrated with video management systems and combining Rosslare state-of-the-art access control components - including controllers, readers, credentials, and other peripherals - the complete ecosystem is optimal for almost any need.

Main Features

AxTraxPro enables organizations to meet their dynamic needs with agility and performance like never before.

Leveraging a set of features designed to maximize utility and security, AxTraxPro includes new tools to save time and resources when building the physical access control environment.

- **Mobile app and web clients** - For on-going management of the on-premise AxTraxPro server, operators can access the system from their web interface and mobile phones to perform daily tasks.
- **Enhanced security** - Communication is secured from the credential all the way to server using advanced encryption algorithms.
- **Lockdown** - For lockdown groups - immunity configuration and management.¹
- **Video integration** - Integrated with major NVR vendors, including Hikvision and Dahua, for event-based video pop-up and snapshot reports.
- **Integrated biometrics** - Integrated with Rosslare devices, Hikvision MinMoe face biometric devices and IDEMIA SIGMA series devices to enable improved facility security.
- **Access control policies** - Enhanced access control policies such as access groups, interlock groups, Antipassback and more.
- **Identity management** - Managing user information, photo, access credentials and related access policies, using new secure login process with dual-factor authentication dialog.
- **Up to 16 credentials per user** - Supports Face-ID, Fingerprint, PIN-Codes, RFID cards, UHF Tags, NFC-ID, BLE-ID, and LPR for vehicles.
- **Integrated Elevator system** - Integrated KONE elevator destination control system to enhance security and people flow management.
- **Alarm management and reporting** - Alarm management workflow across devices and smart links automations, email notifications and reports module.
- **Ironclad software security** - Client-server security mechanism including AES 256-bit encryption communication for a privacy compliant system.¹

¹Only with AC-825IP controller.

- **Time and attendance** - Built-in capability of generating attendance reports with preset formats, automatic and customized reports.
- **AxTraxPro PlugIn for Milestone XProtect** - Enables Milestone XProtect® to act as the frontend system, providing operators with the ability to manage access control events and alarms through the XProtect VMS.
- **Car parking management** - Integrated with 3rd party and Rosslare products for automated gate opening and touchless experience. Including UHF readers, license plate cameras, and mobile credentials, along with fundamental features related to parking occupancy management and control.
- **GraphQL API** - Provides the ability to integrate and deploy with third-party applications. This interface allows for full system access functionality, and to control and monitor all aspects of a site access requirements.

Specifications

COMPUTER SPECIFICATIONS	
Operating system	Windows 11 64-bit, Windows 10 64-bit, Windows Server 2016 and above
CPU	Minimum: Intel Core i5, 2.4 GHz or faster processor Recommended: Intel Core i7, 4 cores or more, 2.4 GHz or faster processor
Network	100MB Ethernet connection
Memory	Minimum: 8GB RAM Recommended: 16GB
Hard Disk	Minimum 8GB free space, SSD strongly recommend
WEB CLIENT	
Supported browsers	Mozilla Firefox, Apple Safari, Google Chrome, Microsoft Edge, Opera
DATA BASE FEATURES (DB)	
Database	Microsoft SQL 2019
DB Backup	Schedule a backup Export, import, and erase options
DB retention	Programmable period
MAIN FEATURES	
User capacity	AC-215: 5,000 AC-215B/IPB, AC-225B/IPB, AC-425B/IPB: 30,000 AC-825IP: 100,000 Up to 16 credentials per user and user credential double authentication by reader and time zone
Event capacity	AC-215: 5,000 AC-215IP, AC-215-B/AC-215IP-B, AC-225/225IP, AC-225-B/225IP-B, AC-425/425IP, AC-425-B/425IP-B: 20,000 AC-825IP: 500,000
Networks	1024 controllers Up to 10,000 readers

MAIN FEATURES

Supported Access Controller Models	AC-215/215IP, AC-215-B/215IP-B, AC-215/215IP-DIN AC-225/225IP, AC-225-B/225IP-B, AC-225-DIN with MD-D02, MD-IO84 expansions AC-425/425IP, AC-425-B/425IP-B, AC-425-DIN with MD-D04, MD-IO84 expansions AC-825IP with R/S/D/P-805 expansions
Supported Rosslare Biometric Devices	AY-B8520, AY-B8620, AY-B8550, AY-B8650, DR-B8000 AY-B9120BT, AY-B9150BT, AY-B9250BT, AY-B9350BT, DR-B9000
Security Communication ¹	OSDP V2 including secure channel AES 256-bit symmetric data encryption
Controller Network Communication Interface	Wiegand Proprietary RS-485 with AC-215x, AC-225x, AC-425x Serial (RS-232/485), TCP-IP
Time zones	Up to 256 time zones that can be assigned to Access/Reports/Update
Holidays	Up to 64 holiday dates, synchronizes with MS Outlook
Supports multiple reader modes	PIN only, PIN and card, PIN or card, card only, Desktop
Alarm to alert	Advanced event color coding of Tamper/Ajar/Forced/Antipassback/Input Alarm events with confirmation status/Email Notifications
User dual authentication	The reader grants access only for two credentials per user per access.

INTEGRATED PRODUCTS

Video	Hikvision Dahua Milestone XProtect (Plugin) - Milestone Verified
Biometric Devices	Hikvision (Hikvision Verified)
Biometric On Card	IDEMIA - SIGMA
LPR (License Plate Recognition)	Hikvision and AVUTEK
Elevator Destination Control	KONE Connectivity Suite (API 500) - Certified by KONE

¹Only with AC-825IP controller.

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