

AxTraxPro™

Access Control Management Software

V28.1.1.x

Datasheet



1. Introduction

Rosslare's AxTraxPro™ client-server software management platform enables setting automated physical access control policies 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 application¹ 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.

2. 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 app¹ 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.
- **Operator role-based access control:** Ensures operators only have access to the information and resources necessary to perform their specific tasks functions in AxTraxPro.
- **Multi-factor authentication:** AxTraxPro allows MFA using identity, password and one-time tokens to ensure a Zero Trust security model.
- **Multi-site support:** AxTraxPro provides advanced operator permission controls that enable efficient creation and management of multi-site environments and serve multi-tenant environments.
- **Secure remote Access:** Web clients enable secure remote access through a zero-trust approach. This allows authorized users to manage on-premise systems remotely without exposing servers to the public internet or relying on traditional VPNs.

¹ Supported by AxTraxPro up to version 28.0.5.2.

- **Enhanced security:** Communication is secured from the credential all the way to server using advanced encryption algorithms.
- **Lockdown²:** Manage and activate lockdown door groups for emergency situations.
- **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, IDEMIA SIGMA & STid Architect (Bio on card), IDEMIA VisionPass & Vision Pass SP series, and Hikvision MinMoe face biometric devices to enable improved facility security.
- **Centralized user management:**
 - Enhanced access control policies such as access groups, interlock groups, Antipassback and more.
 - Managing user information, photo, access credentials and related access policies, using new secure login process with dual-factor authentication dialog.
 - LDAP and LDAPS integration to enable secure and easy user management.
- **Up to 16 credentials per user:** Supports Face-ID, Fingerprint, PIN-Codes, RFID cards, UHF Tags, NFC-ID, BLE-ID, QR Code and LPR for vehicles.
- **Integrated Elevator system:** Integrated KONE elevator destination control system to enhance security and people flow management.
- **Integrated Intercom system:** AxTraxPro integrates with the basIP LINK cloud-based intercom solution to improve communication and entry management.
- **Alarm management and reporting:** Alarm management workflow across devices and smart links automations, email notifications and reports module.
- **Ironclad software security²:** Client-server security mechanism including AES 256-bit encryption communication to ensure secure data in transit. Sensitive data is fully encrypted in the database to provide data security in rest that meets privacy regulation requirements.
- **Time and attendance:** Built-in capability of generating attendance reports with preset formats and automated 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.
- **REST 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.

² Only with the AC-825IP controller.

3. Specifications

COMPUTER SPECIFICATIONS

Operating System	Windows 11 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	Recommended: 16GB
Hard Disk	Minimum 50GB free space, SSD strongly recommended.

WEB CLIENT

Supported Browsers	Mozilla Firefox, Apple Safari, Google Chrome, Microsoft Edge, Opera
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DATA BASE FEATURES (DB)

Database	Microsoft SQL 2019, 2022
DB Backup	Schedule a backup Export, import and limit events period
DB Retention	Programmable period
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
Network Management ¹	SNMP v2 & v3
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

DATA BASE FEATURES (DB)

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) IDEMIA – VisionPass IDEMIA – VisionPass SP
Biometric On Card	IDEMIA – SIGMA STid – Architect
LPR (License Plate Recognition)	Hikvision and AVUTECH
Elevator Destination Control	Certified by KONE KONE Connectivity Suite (API 500) KONE Office Flow (API 1000)
Intercom System	basIP LINK cloud server

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