

AC-215U

Advanced Scalable Networked Access Controller

The state-of-the-art single/dual door AC-215U networked access controller is the backbone of medium scale security systems handling up to 5,000 users and 2046 doors. Driven by Rosslare's powerful, flexible and easy to use AxTrax™ software, the system provides an ideal, modular and expandable solution for commercial and institutional needs. It provides seamless integration with Rosslare's range of RFID Proximity, PIN, PIN & PROX, Smartcard and biometric readers with Rosslare's selection of RFID credentials.

General Description

AC-215U is suitable for applications with up to 5000 users across a modular 2046 doors, allowing maximum flexibility for securing a growing enterprise.

Each AC-215U Access Control Unit (ACU) supports two readers (In/Out) of various formats including standard Wiegand 26-bit. Each ACU can be set to work as a single or double door controller.

The AC-215U is ready for installation with a mountable & lockable metal enclosure integrated with transformer, power supply/charger, sounder and control board.

Using RS-232, Ethernet TCP/IP, or PSTN communication means, multiple local or remote site networks can connect to the AS-525 AxTrax™ Client/Server PC software running on Microsoft® Windows® XP/Vista/7 operating systems.



Main Features

- Up to 5000 users with access rights for every panel, across 2046 modular doors in a system
- 5000 First In First Out history event log, when offline
- Pre-installed enclosure components:
 - AC-AC power transformer, power supply/charger unit
 - Sounder unit
 - Space for a 7AH SLA backup battery
 - Tamper switch
- Panel supports both 1 door (In/Out) and 2 door (In/Out, In/In or Out/Out) configurations
- Supports PIN-only, PIN & PROX, or PROX-only readers
- Rugged, hinged-metal enclosure that is lockable and vandal-resistant
- Internal charger for external battery backup
- Real-time clock keeps time for up to 2 weeks without power. No batteries to replace
- 4-state supervised inputs (resistors included)

AS-525 AxTrax™ SOFTWARE HIGHLIGHTS

- Each ACU subnet, consisting of 1 or more ACU, may be connected to a PC running the AS-525 AxTrax™ server PC software
- Enables management of user data, photo with custom fields, access rights, alarms, strike times, and door modes, from a central location
- Used for continuous event monitoring, or periodically for batch downloading of event data, administration and maintenance
- Other PC's on the network may connect to the server by running the AS-525 AxTrax™ PC software in client mode
- Produces reports from acquired data, such as entry and exit times, and by alarm type with filters for user(s), location, and time
- The AS-525 AxTrax™ software is available in a large selection of languages
- Highly user friendly and strait-forward interface provides an easy and fast setup

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Product Specifications

ELECTRICAL CHARACTERISTICS	
• ACU Power Supply Voltage:	12VDC, regulated from PS-14 regulated power supply module
• ACU Power Supply Max Current:	500mA input current limitation (PS-14)
• ACU Input Current:	Standby: 125mA at 12VDC Maximum: 325mA at 12VDC
• Relays:	Four 5A, N.O. and N.C. Form-C relays
• Battery Charger:	12V sealed lead acid (SLA) up to 7Ah (PS-14)
• Maximum Current for Readers:	300mA at 12VDC
OPERATIONAL CHARACTERISTICS	
• Capacity:	5000 Users + 20,000 Users without rights (Time & Attendance)
• History Event Log Size:	5000 Events
• Inputs:	Four high-impedance, active low supervised inputs. Max. 5V DC
• Readers:	Two Wiegand 26/32/34/37/40 bit / C&D reader ports with tamper and LED control, 4, 6 and 8 bit burst keypad transmission support
• Connectivity:	RS-485/232, Dial-up (using MD-N33), TCP/IP (using MD-N32)
• Networking:	32 Units/subnet on RS-485
• Audio/Visual:	Built-in sounder (Alarm, Chime, Bell) 8 on-board LEDs and 3 LEDs on Power supply (PS-14)
• Modes of Operation:	Single Door (In/In), Dual Door (In/Out)
• Time Zones and groups:	32 multiple segment time zones, 64 holidays
• Anti-Pass Back:	Global anti-pass back (soft / hard), with 'forgive' option
• Special Features:	Interlock, first person delay, auto relock, scheduled outputs operation, 4 programmable site codes, Extended unlocked time
• Security Modes:	Normal, Secure, Unlocked
• Firmware Upgrade:	Local / Remote, Through AS-525 AxTrax™ PC software
PHYSICAL CHARACTERISTICS	
• ACU Board Dimensions:	6.61 x 4.76 inch (168 x 121 mm)
• Metal Enclosure:	12.8 x 10.4 x 3.82 inch (326 x 263 x 97 mm)
• Weight (including metal enclosure and transformer):	5.3 lbs (2.4kg)
ENVIRONMENTAL CHARACTERISTICS	
• Operating Environment:	Indoor installation only
• Operating Temperature:	32°F to 120°F (0°C to 49°C)
• Operating Humidity:	0 to 85% (non-condensing)
• RFI Protection:	> 20 V/m up to 1000 MHz

System Components

AC-215U is compatible with a range of Rosslare accessories, including a diverse selection of readers, accessories and serial converters to TCP/IP networks.



AYC-W6500

AY-Q12

AYC-Q64B

AYC-F64

AY-M12

AY-H12

AY-K12

Additional Information

The AC-215U is covered by Rosslare's 2-year Limited Product Warranty. For sales information or product documentation, please visit our website: www.rosslaresecurity.com



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