

ROSSLARE

AC-225

Advanced Scalable Networked Access Controller



THE STATE-OF-THE-ART SINGLE/DUAL DOOR AC-225 NETWORKED ACCESS CONTROLLER IS THE BACKBONE OF MEDIUM SCALE SECURITY SYSTEMS HANDLING UP TO 30,000 USERS AND 4092 DOORS. DRIVEN BY ROSSLARE'S POWERFUL, FLEXIBLE, AND EASY TO USE 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-225 is suitable for applications with up to 30,000 users across a modular 4092 doors, allowing maximum flexibility for securing a growing enterprise.

Each AC-225 access control unit (ACU) supports two readers (In/Out) of various formats including standard Wiegand 26-Bit. Installations can also have one reader per door.

The AC-225 is ready for installation with a mountable and lockable metal enclosure integrated with a transformer, power supply/charger, sounder, and control board.

MAIN FEATURES

- ☑ Up to 30,000 users with access rights for every panel, across optional 4092 modular doors in a system
- ☑ 20,000, FIFO, history event log, when offline
- ☑ Full intelligent logic interconnection of inputs, outputs, readers, and more
- ☑ Onboard TCP/IP networking (AC-225IP version)
- ☑ Panel supports both 1-door (In/Out) and 2-door (In/Out, In/In and Out/Out) configurations
- ☑ Real-time clock keeps time for up to 2 weeks without power. No batteries to replace.
- ☑ Cable cut tamper detection function for readers, and cover tamper detection for the enclosure
- ☑ Pre-installed enclosure components:
 - ☑ Transformer, dual power supply/charger unit for panel and lock devices
 - ☑ Sounder unit
 - ☑ Space for a 7 AH SLA backup battery
 - ☑ Tamper switch

AxTraxNG™ CLIENT/SERVER SOFTWARE

- ☑ Based on SQL Express 2005 database
- ☑ Each ACU subnet, consisting of up to 32 ACUs, can be connected to a PC running the AxTraxNG™ server PC software
- ☑ Enables management of user data, photo with custom fields, access rights, alarms, strike times, and door modes, from a central location
- ☑ Produces reports from acquired data, such as entry and exit times, and by alarm type with filters for user(s), location, and time
- ☑ Available in a large selection of languages

SPECIFICATIONS

ELECTRICAL SPECIFICATIONS

ACU Power Supply Voltage	12 VDC, regulated from built-in PS-33 regulated power supply / charger module
ACU Power Supply Max Current	Panel output: 2 A input current limitation (PS-33) Lock output: 3 A
Relays	4 fully programmable 5 A, N.O. and N.C. relay outputs 4 expandable outputs with optional MD-IO84 or MD-D02
Battery Charger	12 V sealed lead acid (SLA) up to 7 Ah (PS-33)
Maximum Current for Readers	300 mA at 12 VDC

OPERATIONAL SPECIFICATIONS

Capacity	30,000 users
History Event Log Size	20,000 events
Inputs	4 supervised, dual-resistor, 2 state end-of-line inputs, hi-impedance, active low 5 VDC 8 supervised expandable inputs with optional MD-IO84 or 4 supervised expandable inputs with optional MD-D02
Readers	Two Wiegand 26/32/34/37/40-Bit / C&D reader ports
Connectivity	RS-485/232, dial-up (using MD-N33), onboard TCP/IP (AC-225IP version)
Networking	32 units/subnet, 1023 subnets (4092 doors max. with MD-D02) using AxTraxNG™ software
Audio/Visual	Built-in sounder (Alarm, Chime, Bell), 11 on-board and 3 P.S. LEDs
Time Zones and Groups	32 multiple segment time zones, 64 holidays, 30,000 access groups
Special Features	Interlock, first person delay, auto relock, scheduled outputs operation, 4 programmable site codes, Extended unlocked time, fully interconnectedness

PHYSICAL SPECIFICATIONS

ACU Board Dimensions	168 x 121 mm (6.61 x 4.76 in.)
Enclosure	Metal, locked 326 x 263 x 97 mm (12.8 x 10.4 x 3.82 in.)
Weight	3.95 kg (8.7 lbs)

ENVIRONMENTAL SPECIFICATIONS

Operating Environment	Indoor installation only
Operating Temperature	0°C to 49°C (32°F to 120°F)
Operating Humidity	0 to 85% (non-condensing)
RFI Protection	> 20 V/m up to 1000 MHz

SYSTEM COMPONENTS

AC-225 is compatible with a range of Rosslare accessories, including a diverse selection of readers and accessories