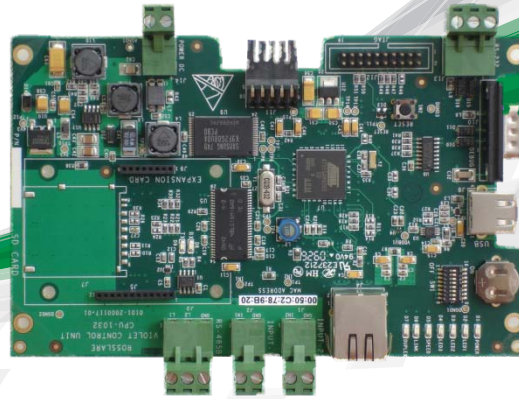


ExpansE

Distributed Access Control System



THE EXPANS E IS A STATE-OF-THE-ART DISTRIBUTED ACCESS CONTROL SYSTEM WITH A WEB BASED MANAGEMENT AND CONTROL APPLICATION, EMPLOYING THE LATEST ACCESS CONTROL TECHNOLOGY TO MEET THE REQUIREMENTS OF THE DYNAMIC MARKET.

GENERAL DESCRIPTION

The ExpansE system is comprised of several units, the main unit, the EXP-1032 Networked Controller, and several end units including a Door Unit, an Elevator Control, and a Dedicated I/O Interface. The platform, since not dedicated to door control or limited to a set number of doors, can be used for other applications such as security, automation and more.

Targeted to the SMB market, this topology offers several advantages, including significantly higher performance and capacity on account of redundancy; cost effectiveness, where the more doors and/or interfaces connected to the system, the more cost-effective it is; application flexibility, not limited by physical limitations the system supports various applications in its current design and has the benefit of implementing future additions, such as additional door units, I/O interfaces, security and alarm management, native support for video interfaces and much more.

MAIN FEATURES

- Distributed Architecture
 - Highly scalable – expandable to facilitate extremely large applications
 - Extended reliability
- Controllers capacity: Up to 2048 controllers with intercommunication

- Users capacity: Up to 128,000 users per controller
- Up to 32 end units per controller
- Up to 32 doors / 64 readers per controller
- Up to 256 inputs per controller
- Up to 512 outputs per controller
- 100,000 history event log
- 512 multi segmented time zones and 128 holidays
- Web application system management

SOFTWARE HIGHLIGHTS

- Enables management of user data, access rights, alarms, access time frames, and door modes, from a web based central location
- Used for continuous event monitoring, or periodically for batch downloading of event data, as well as administration management and general maintenance
- User friendly and straight-forward software and wizards provide easy and fast setup and operation
- Produces reports from acquired data, such as entry and exit times, and by alarm type utilizing advanced filters for user(s), location, and time
- Other PC's on the network can connect to the ExClouds server for report generation

SPECIFICATIONS

ELECTRICAL CHARACTERISTICS	EXP-1032	EXP-2024	EXP-2016	EXP-2088
	Networked Controller	Dual Reader Door Unit	16 Relay Elevator Control Unit	8 I/O interface
■ Operating voltage	12 - 16VDC, 4.5A	12 - 16VDC, 1A		12 - 16VDC, 0.5A
■ Input Current, Standby:	150mA @ 12VDC		100mA @ 12VDC	
■ Input Current, Max:	1200mA @ 12VDC	1000mA @ 12VDC	800mA @ 12VDC	500mA @ 12VDC
■ Communication:	TCP/IP or RS-485	RS-485		
■ Tamper input:	Two	One		
OPERATIONAL CHARACTERISTICS				
■ Capacity	128,000 Users per controller			
■ History Event Log Size	100,000 Events			
■ End units per controller	Up to 32			
■ Time Zones and groups	512 multi-segmented time zones and 128 holidays			
■ Anti-Pass Back	Global anti-pass back (soft / hard), with 'forgive' option			
PHYSICAL CHARACTERISTICS				
■ Dimensions	6.18 x 5.12 inch 157 x 130 mm	6.18 x 3.93 inch 157 x 100 mm		
■ Weight	3.98 oz (113g)	5.54 oz (157g)	6.06 oz (172g)	7.9 oz (224g)
ENVIRONMENTAL CHARACTERISTICS				
■ Operating Environment	Indoor installation only			
■ Operating Temperature	32°F to 120°F (0°C to 49°C)			
■ Operating Humidity	0 to 90% (non-condensing)			
■ RFI Protection	> 20 V/m up to 1000 MHz			
COMPATIBLE PRODUCTS	ExpansE is compatible with a range of Rosslare accessories, including a diverse selection of readers, accessories and converters between serial and TCP/IP communication			
PRODUCT WARRANTY	2-year Limited Product Warranty			

ABOUT ROSSLARE SECURITY

Rosslare Security Products, a division of Rosslare Enterprises Ltd. manufactures high-quality security products worldwide since 1980. The company's three main lines: Access Control, Intrusion Detection and Guard Patrol, together with a growing product range have transformed Rosslare Security into a major force in security. Rosslare holds itself to the highest standards of customer service and manufacturing (ISO 9001:2008, ISO 14001:2004). The company complies with the EU Directive 2002/95/EC on Restriction of Hazardous Substances (RoHS).



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