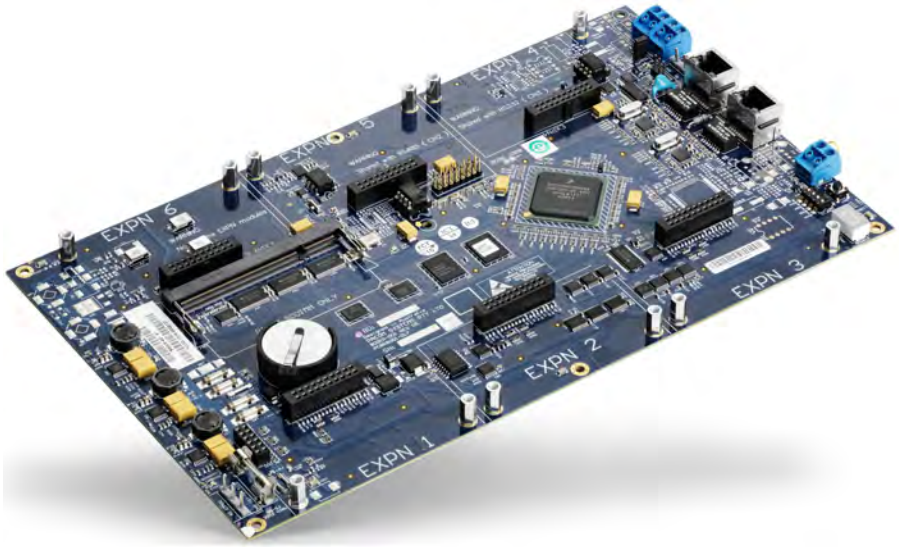
8002 INTELLIGENT CONTROLLER

FEATURES

- Modular architecture ensures easy installation
- Dual Ethernet ports
- Anti-passback capabilities
- Auto-discovery of peripheral devices
- Dual-flash memory allows firmware upgrades while system active
- IP/RS485/RS232 ports
- Offline card and event transaction memory
- Multiple alarm area and keypad support
- Up to 256 inputs/64 outputs
- Peer-to-peer connections
- Slots for expansion card connection
- On-board 8MB memory (battery backed up) (expandable up to 72MB)
- 11 status indicator LEDs
- 6 x 20-pin (suitable for all 8000 Series Expansion Cards)



PACOM 8002 next generation controller is built using PACOM-Edge technology. PACOM-Edge represents a new family of devices enabling advanced security capabilities across an organization's Ethernet backbone. The IP capability means there is a reduced need for traditional security cabling which ensures convenient deployment and extensive scalability.

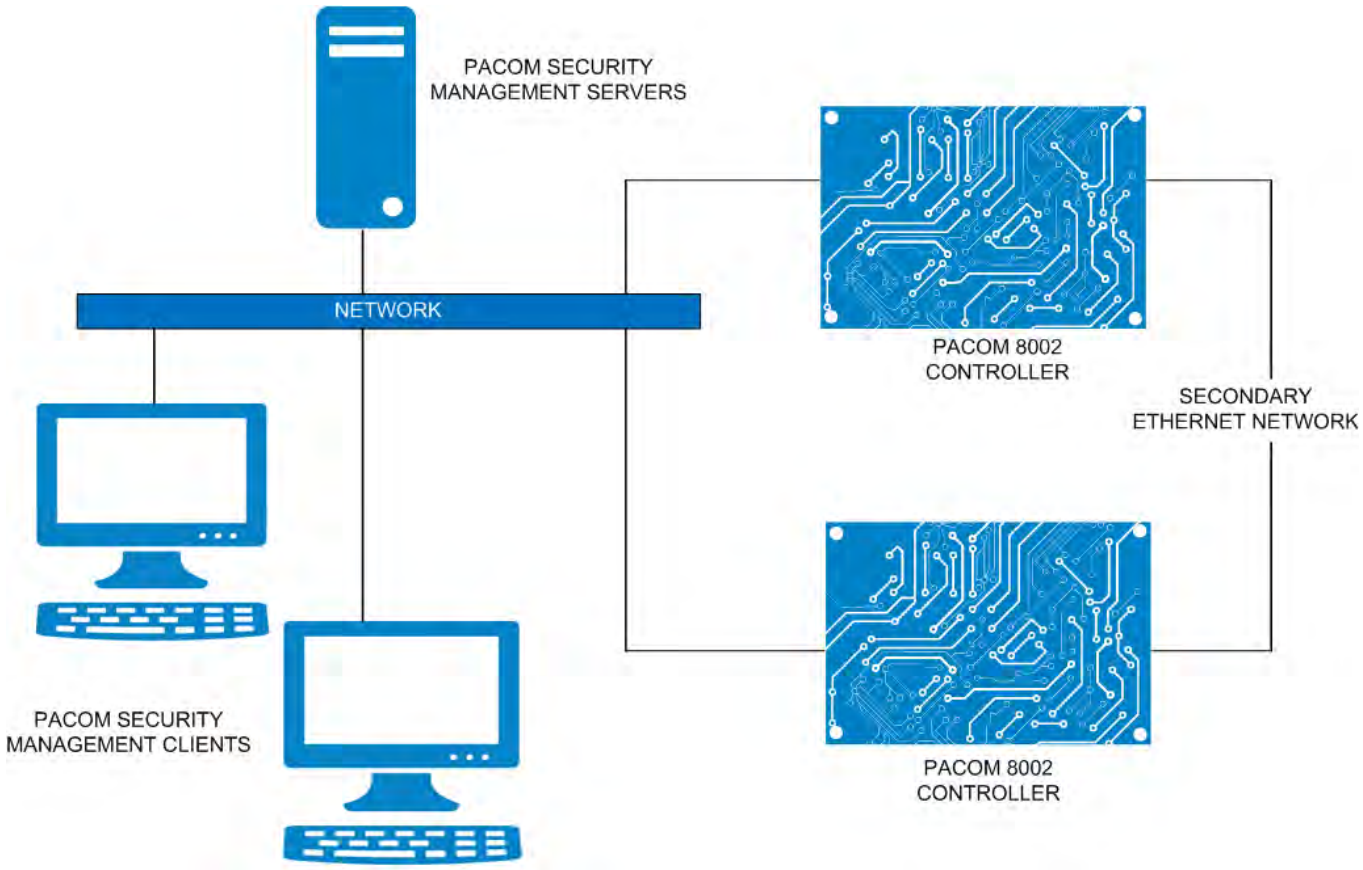
The 8002 Controller delivers an optimal, all-in-one building platform that integrates all functionality required for a remote security system. The security controller can operate stand-alone for smaller buildings or as part of a fully integrated alarm and access control system for larger buildings or multi-site applications.

The modular architecture makes the 8002 simple to install and configure, as well as expand and integrate as your future security needs require. With dual on-board Ethernet capabilities, the 8002 is a fully integrated network-enabled security controller, providing the perfect platform to install and expand using your existing network infrastructure. It supports auto-discovery of peripheral devices for simplified installation. All doors can be individually configured to operate based on card only, PIN only or card and PIN, with access schedules providing further control. The 8002 can be conveniently installed in any location rated for a 3U rack mount device.

The PACOM 8002 Intelligent Controller is a fully integrated network-enabled security controller, built using PACOM-Edge technology for advanced alarm and access control applications with PACOM GMS and Unison.

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ARCHITECTURE



8002 CONTROLLER MODELS

MODEL	SUPPORTS
8002 small capacity (S)	Up to: • 8 card readers • 500 access cardholders (GMS / Unison) • 32 inputs • 8 outputs • 32 alarm areas
8002 medium capacity (M)	Up to: • 32 card readers • 2000 access cardholders (GMS / Unison) • 128 inputs • 32 outputs • 32 alarm areas
8002 large capacity (L)	Up to: • 64 card readers • 5000 access cardholders (GMS) • 4000 access cardholders (Unison) • 256 inputs • 64 outputs • 32 alarm areas. 64MB memory expansion card increases offline event storage to 128,000 (if used together with reporting events to a PACOM Base Station, EMCS or Unison) and cardholder capacity to 256,000 (GMS) and 200,000 (Unison).
8002 Unison SODIMM socket for memory expansion	• 64 card readers • 5000 users/cards • 256 alarm inputs • 64 outputs and 32 areas

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TECHNICAL SPECIFICATIONS

ELECTRICAL

Input Voltage	12 to 15VDC
Available Auxiliary Power	750mA @ 12VDC for peripheral devices (dedicated to devices other than expansion cards)
Current Consumption	210mA @ 12VDC typical, excluding expansion cards 230mA maximum with all alarm conditions present and all outputs active etc.
Fuse	**F5**: 5A slow blow glass type 5 x 20mm (0.2 x 0.8")

BATTERY

Battery Charger	N/A (PACOM 8303 recommended)
Internal Memory	CR2450 3V lithium type

ENVIRONMENTAL

Operating Temperature	EU: -10 to +55°C (14 to 131°F) UL: 0 to +50°C (32 to 122°F)
Maximum Humidity	85% (non-condensing) @ 30°C (86°F)

PHYSICAL

Dimensions	273 x 160 x 18mm (10.8 x 6.3 x 0.7") 273 x 160 x 28mm (10.8 x 6.3 x 1.1") with expansion cards
Packed Weight	515g (18.2oz)

COMMUNICATIONS

Network Protocol	Ethernet (10/100 auto switching), PPP
Network Connectivity	Dual Ethernet 10/100 BaseT TCP/IP, UDP/IP Compatible with most 10/100/1000 MBPS Networks
Modem	N/A (PACOM 8202 or 8201 recommended)
Port	RS485 (each device line can support up to 32 PACOM RS485 peripheral devices) RS232 Ethernet x 2
Offline Capabilities	1000 events/transactions (up to 128000 on 8002R-L with memory expansion card) The 8002 is able to operate independently of PACOM security management software even when the software is offline. Event transactions are the only aspect affected being overwritten once capacity is exceeded.
Expansion Card Connections	6 x 20-pin (suitable for all 8000 Series Expansion Cards, however, some expansion cards must be used in specific slots)
Memory	On-board 8MB (battery backed up) Expandable to 72MB

SIGNALING

Input	N/A (expandable to 16 (S type)/64 (M type)/256 (L type))
Output	N/A (expandable to 64)
Status Indicators	11 x LED (power, 7-segment multi-status, RS232 Rx, RS232 Tx, RS485 Rx, RS485 Tx, 5VDC power, 3VDC power, AC power, Ethernet)

SECURITY

Tamper Switch	On-board support provided
Encrption	AES-128, AES-256

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SUPPORTED	
Card Formats	26-bit Wiegand, Wiegand Custom (up to 128-bits)
Expansion Models	8201 3G GPRS Modem 8203 4-Output Expansion Module 8204 8-Input Expansion Module 8205 RS232/RS485 Expansion Module 8207 Star Coupler Expansion Module 8208 S-ART Interface 8209 PSTN Modem Expansion Module
Peripheral Devices	1064 Single Door Controller 1068 2-Input/1-Output Module 1076 8-Input/4-Output Module 1076 2-Door Controller 8101 Series Keypads 8303 Monitoring Power Supply 8501 Input/Output Module 8602 Multi Interface 8603 Door Controller

COMPLIANCE & ACCREDITATION

ANSI/SIA CP-01 [ETL listed] | EN 50130-4:1995+A1:1998+A2:2003 | EN 50130-5:1998 | EN 50131-1:2001+A1:2009 | EN 50131-3:2009 | EN 50131-6:2008 | EN 50136-1-1:1998+ A1:2001 +A2:2008 | EN 50136-1-2:1998 | EN 50136-1-5:2008.l EN 50136-2-1:1998+A1:2001 | EN 50136-2-2:1998 | EN 55022:2010 Class A/B | EN 60950-1:2001+A1:2010+A11:2009+A12:2011 | EN 61000-3-2:2006+A1:2009+A2:2009 | EN 61000-3-3:1995+A1:2001+A2:2005 | FCC 47 CFR Part 68 | FCC 47 Part 15/B Class A/B | SSF 1014 Ver 3 | UL 294 | UL 1076/ULC/ORD-C1076 | UL 1610 | UL 2017 | ULC-S304 | ULC-S319 [all UL are ETL listed]

SIRA Dubai

ORDERING INFORMATION

PART NUMBER	TYPE CODE	DESCRIPTION
300 040 013	8002R-001-S	8002 Small Capacity Field Controller (PCB only)
300 040 014	8002R-001-M	8002 Medium Capacity Field Controller (PCB only)
300 040 015	8002R-001-L	8002 Large Capacity Field Controller (PCB Only)
300 040 016	8002R-001-S-UL	8002 Small Capacity Field Controller (PCB only)
300 040 017	8002R-001-M-UL	8002 Medium Capacity Field Controller (PCB only)
300 040 018	8002R-001-L-UL	8002 Large Capacity Field Controller (PCB only)

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