



▶ DATASHEET 8001 CONTROLLER



Key Features

- Kit includes Controller, power supply & enclosure
- Supports thousands of remote sites
- Slots for expansion card connection
- Auto-discovery of peripheral devices
- Dual-flash memory allows firmware upgrades while system active
- IP/RS485/RS232 ports
- Offline card and event transaction memory
- Supports most card readers
- Multiple alarm area and keypad support
- Up to 256 inputs/64 outputs
- Peer-to-peer connections
- Tamper detection

Pacom Controller hardware - technology and performance driven security device management.

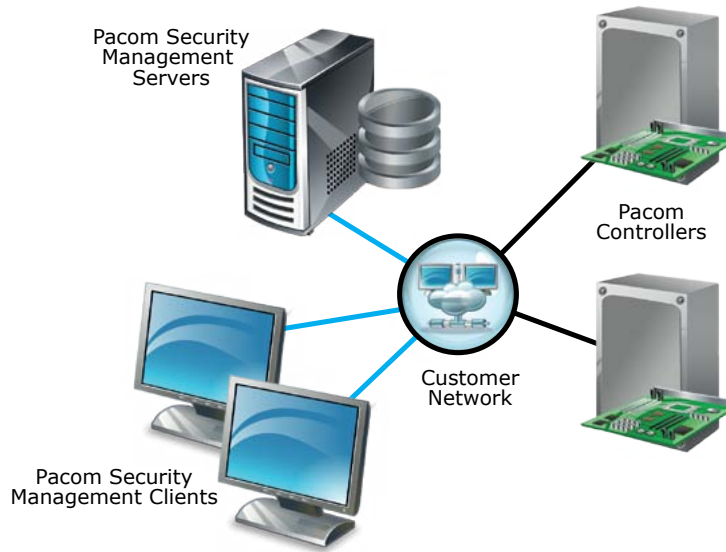
The Pacom 8001 Controller is your best choice for a scalable alarm and access control systems. The 8001 delivers an optimal, all-in-one building platform that integrates all functionality required for a remote security system. The modular architecture makes the 8001 simple to install and configure, as well as expand and integrate as your future security needs require. With the 8001 available in small, medium, or large capacities, you reduce costs simply by paying for the capacity you really need and functionality you require.

With onboard Ethernet and intelligent alarm intrusion functions, the 8001 is a fully integrated network-enabled security controller. It can operate stand-alone for smaller buildings or as part of a fully integrated alarm access control system for larger buildings or multi-site applications.

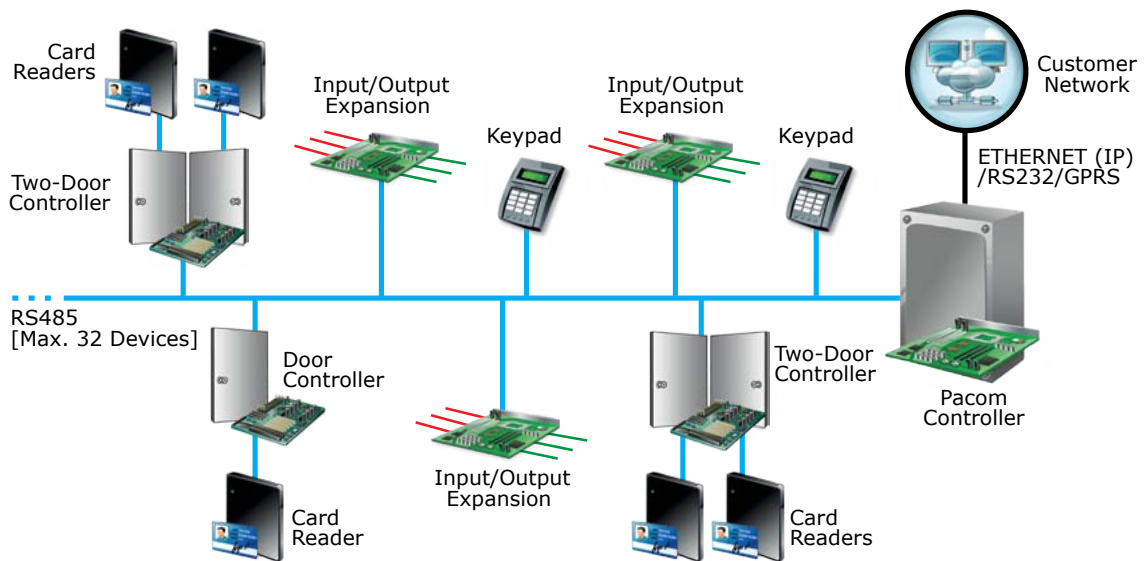
8001 Controllers supports auto-discovery of peripheral devices for simplified installation. All doors can be individually configured to operate based on card only, PIN only, or card and PIN, with access schedules providing further control. Doors and alarm points can be partitioned into multiple areas of security, and can be controlled by multiple keypads. With dual-flash memory, firmware upgrades can be performed without any disruption to the system.

Along with the ability to scale alarm inputs and outputs using expansion modules, Pacom 8001 is the ideal option for integrated security systems.

System Architecture



Connectivity Architecture



Technical Specifications

- Dimensions (Enclosure): 400 x 400 x 120mm (15.7 x 15.7 x 4.7”).
- Weight: 7.5kg (16.5lb).
- Status Indicator: 7-segment LED display.
- Operating Environment: -10 to 50°C (3 to 122°F), 69 ±5% relative humidity (non-condensing) @40°C (86°F).
- Power Input: 12 to 15VDC @3A (fuse at 5A).
- Power Consumption: Typically 210mA with no expansion modules and with on-board Ethernet, RS232 and RS485 ports connected.
- Aux. Power Output: 750mA.
- Memory: Dual flash memory (one running, one stand-by) download update over network.
- Offline Transaction Storage: 1000 transactions (up to 128,000 on 8001R-L with memory expansion card).
- Network Connectivity: Ethernet via Ethernet port 10/100 BaseT TCP/IP, UDP/IP.
- Device Loop: One on-board (max. five with expansion modules). Each supports 32 Pacom RS485 devices.
- Communication Paths: Up to four communication paths for monitoring system connection.
- Diagnostic (RS232) Port: Enables local connection of Pacom software for configuration/diagnostics/can be configured for other serial interfaces.
- Alarm Inputs: Supports up to 256.
- Control Outputs: Supports up to 64.

8001 Controller Models

- 8001 “Small Capacity”: Supports up to eight card readers, 500 access cardholders, 32 inputs, eight outputs, 32 alarm areas.
- 8001 “Medium Capacity”: Supports up to 32 card readers, 2000 access cardholders, 128 inputs, 32 outputs, 32 alarm areas.
- 8001 “Large Capacity”: Supports up to 64 card readers, 5000 access cardholders, 256 inputs, 64 outputs, 32 alarm areas. Memory expansion increases cardholder capacity and offline event storage to 128000.

Expansion Modules

- 8201 GPRS Modem.
- 8202 PSTN (Dialup) Modem.
- 8203 4-Output.
- 8201 8-Input.
- 8205 RS232/RS485 Communications.
- 8207 RS485 Star Coupler.
- 8208 S-ART Interface.
- 840x Memory Expansion.

Compliance/Accreditation

- RoHS, China RoHS.
- CE Safety.
- EMC: CE, C-Tick, FCC Part 15.
- EN50130-4+A1, EN50131-1, EN50131-3-2, EN50131-3-3.
- ETL listed to the following UL, ULC and ABSI standards: UL1076, ULC/ORD-C1076, UL1610, UL294, CAN/ULC-S319, UL2017, CAN/ULC-S304, ANSI/SIA CP-01.
- ETSI TBR21.

Order Information

Part Number	Type Code	Description
400 051 001	8001R-S-ENC	8001 Small Capacity Controller with enclosure and monitoring power supply.
400 051 002	8001R-M-ENC	8001 Medium Capacity Controller with enclosure and monitoring power supply.
400 051 003	8001R-L-ENC	8001 Large Capacity Controller with enclosure and monitoring power supply.
400 051 011	8001R-S-ENC05	8001 Small Capacity Controller with enclosure and power supply.
400 051 012	8001R-M-ENC05	8001 Medium Capacity Controller with enclosure and power supply.
400 051 013	8001R-L-ENC05	8001 Large Capacity Controller with enclosure and power supply.