PAC® 512 & 512 IP Two Door Access Controller

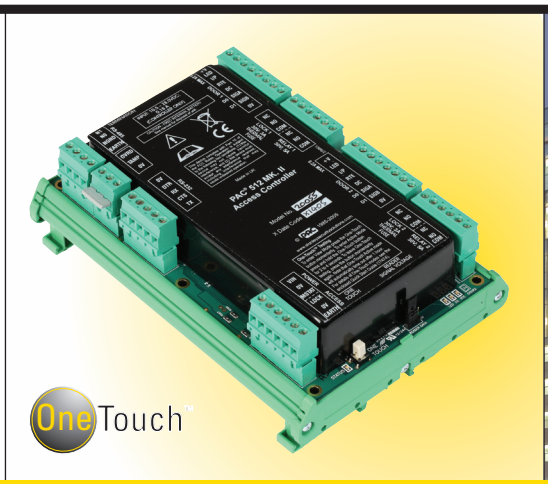
The PAC 512 controls all aspects of two secure doors, with up to two card readers installed as entry and exit readers on each door. This includes support for a door strike to lock and unlock the door and a door contact to detect the doors position. Each door also has a programmable auxiliary input that may be used for alarm system integration, and an auxiliary output that enables a buzzer or strobe when security is breached or a door is left open. Each controller has a tamper input, which enables the monitoring of a cabinet door, and an override input that will release both doors.

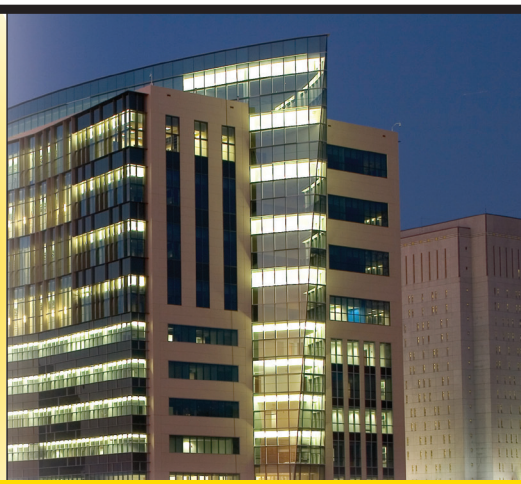
With unprecedented scalability and flexibility, a PAC 512 can be used standalone with optional IP connectivity, or as part of a system controlled by the powerful Access and Alarm Server (PAC 500). System downtime is costly, particularly in a highly secure environment. The PAC 512 overcomes this potential risk through the use of Distributed Intelligence, all events are processed locally with a database of 20,000 cardholders and a 16,000 event buffer, ensuring access decisions in the event of a communications failure with the host or optional Access and Alarm Server (PAC 500).

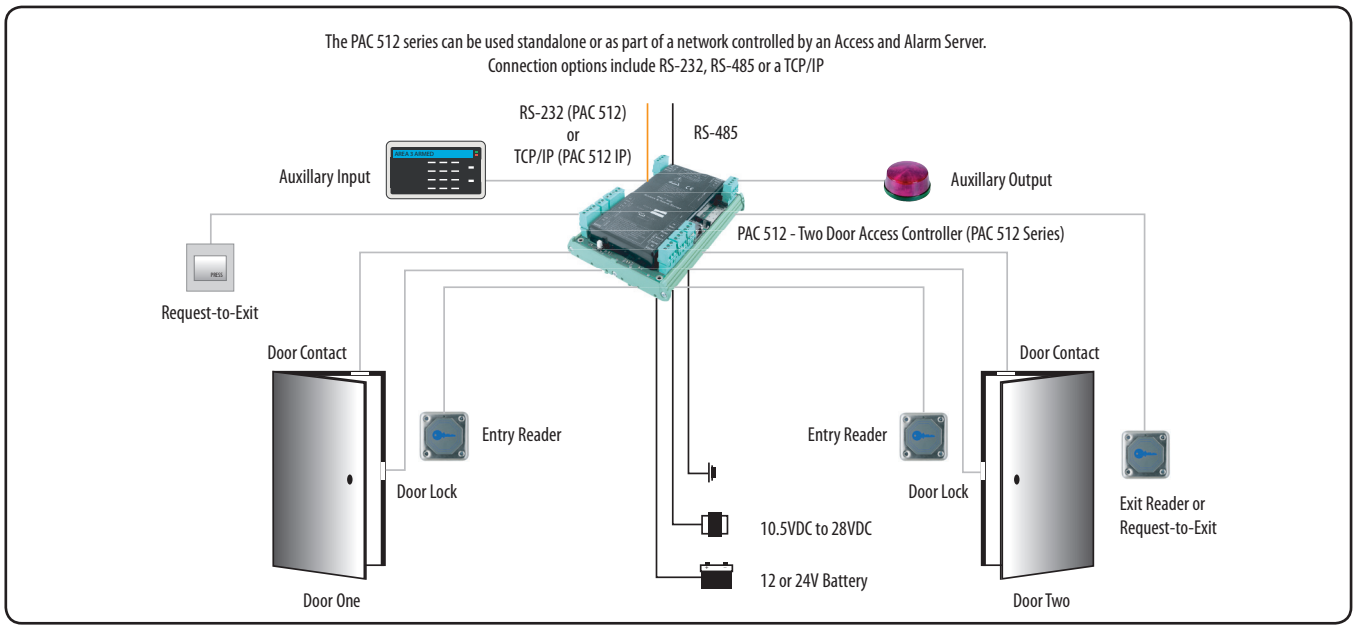
When operating in conjunction with an Access and Alarm Server, the PAC 512 serves as part of an integrated solution that can include both input and output controllers, elevator control and sophisticated anti-passback capabilities providing a scalable solution for even the largest applications.

Key Features:

- Controls up to two access points/doors
- PAC 512 IP includes a built-in 10/100 Mbps Ethernet connection
- Supports up to four PAC proximity readers or two Wiegand outputs or two Magstripe readers directly
- Battery backed memory storage
- On-board lithium rechargable battery is monitored and low battery status is reported
- Up to 20,000 keyholder/cardholder database and 16,000 event buffer*
- 20 system holidays with 20 start and stop dates and times*
- 200 time profiles with up to 4,000 weekly periods*
- 5,000 access groups, each with two time profiles and two area lists
- Area anti-passback and area usage in conjunction with PAC 500
- Local anti-passback
- Airlock capability in conjunction with PAC 500
- Watchdog reset for maximum reliability
- Unique One-Touch™ installation mode simplifies and speeds up system commissioning, without need for a PC or programming
- Status LED supports all functions including Inputs and Outputs
- Individual door access times (DDA and ADA recommendation)
- One ancillary input per door channel (two or four state)
- Wide voltage operation 10.5V to 28V
- Request-to-exit input (two or four state) and door contact input (two or four state)
- Power supply and battery status are monitored and reported
- 5 Amp ancillary relay per door channel (independent control via PAC 500)
- 5 Amp lock relay output per door channel and dedicated enclosure tamper input
- 3 Amp thermal fuse protected lock relay
- Override input to open all doors
- Lock sharing for doors
- Dial-up PSTN/GSM modem support (PAC 512 only)







Features & Specification

Description	PAC 512 Boxed two door Controller PAC 512IP Boxed two door Controller PAC 512 two door Controller PAC 512IP two door Controller
Dimensions/Weight:	DIN: H:125mm x W:180mm x D:60mm Boxed: H: 335mm x W: 335mm x D: 90mm
Temperature/ Humidity:	Operating: -10°c to +55°c (14°f to +130°f) Storage: -25°c to +80°c (-13°f to +176°f) Humidity: 0 to 85% RHNC
Door Configuration	Each door supports up to 2 Oneprox™, PAC or KeyPAC readers, 1 Wiegand output or 1 magstripe output reader
Supported Reader Protocol	PAC, Wiegand and Magstripe
Inputs	Door contact, RTE, and programmable auxillary input
Outputs	5-AMP single pole double throw lock relay and alarm relay
Status LEDs	RS 232, RS 485, door 1, door 2 and system status, Ethernet transmit and receive status
Memory Backup	3V re-chargable lithium cell (monitored and status reported) - 6 months memory retention when not powered
Communication Ports	RS-485 (57.6K bps), RS-232 (57.6K bps),
Wiring Requirements	RS-485 - CAT5 up to 1000m, 3000ft total cable or 7/0.2mm, 1500ft total cable RS-232 - 7/0.2mm, 24 AWG up to 7.6m, 25ft maximum length
Module Power	10.5VDC to 28VDC @ 220mA max
Warranty	5 Years
Regulatory Compliance	BS8030:2001 "Providing Access Solutions for Disabled People" EN 50133 - Access control systems for use in security applications EN55022 Class B. EN50130-4. CE Certified. FCC - Part 15 Class B. Designed for UL1076 and UL294

Ordering Information

Part number	Description
20054	PAC 512 Access Controller (boxed with 3 Amp power supply)
20055	PAC 512 Access Controller - DIN Mount
20154	PAC 512 IP Enabled Access Controller (boxed with 3 Amp power supply
20155	PAC 512 IP Enabled Access Controller - DIN Mount
10031	4-way DIN Rail Enclosure
10032	6-way DIN Rail Enclosure
20008	DIN Rail Power Supply - Dual Voltage, 12/24V DC at up to 7.2 Amp
20059	DIN Rail Power Supply - With Battery Charger, 12V DC at up to 3.0 Amp

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