

MPA1

Smart Edge Access Control

Honeywell's Smart Edge Single Door Controller MPA1 provides secure Cloud based and Web based access control solutions.



MPA1 controller enables users to securely and easily deploy their access control system anywhere there's an Ethernet/Internet connection—with no dedicated PC or software costs.

This single door POE powered controller is easy to install, operate and maintain, thanks to its unique edge installation design and its dedicated Device Utility App for fast and easy commissioning. It can either be mounted in a US single gang junction box or in a specially designed compact enclosure with

Status LED diagnostics. It connects up to two secure OSDP readers, providing enhanced security.

MPA1 gives you all the benefits of traditional access control, such as helping you secure doors, manage employee access, and manage sites remotely. It also lets you pull reports easily to meet compliance requirements.

With a browser-based interface, your learning curve and training times are significantly decreased. No dedicated

software is required — simply log on and you're ready to go, securely — from the office or anywhere. You can manage MPA1 using MAXPRO® Cloud's secure cloud infrastructure or the embedded browser.

MPA1 has been developed with a small installer-friendly design that easily adapts to existing IT infrastructure and methods, reducing installation and support costs. So as your system grows, MPA1 grows with you.

FEATURES AND BENEFITS



INCREASED PRODUCTIVITY

In MAXPRO® Cloud easily controlled and monitored via the Cloud app, adding advanced features, such as video and intrusion integration, advanced reporting and rules.

In web mode the new, faster, and more intuitive user interface decreases time spent on deployment and training.

Embedded browser features basic access control that is simple and easy to use.

New, faster Hardware.



FASTER INSTALLATION

Single door PoE powered edge controller is fast and easy to commission via the Device Utility App on your Android or iOS mobile phone.

At-the-door mounting decreases cable runs.

Small edge design fits in US single gang junction box.

The elegant small plastic enclosure has been designed for easy access to wiring and Status LED diagnostics.



LOWER COST OF OWNERSHIP

Offering, quoting, and installation is simple and easy to learn.

IP-based hardware with Power over Ethernet (PoE) capability eliminates additional network wiring and simplifies powering the panel.

Single door controller that can be networked with additional controllers via Ethernet Virtual Loop (EVL)*.

User-friendly access control management via the embedded interface.



ENHANCED SECURITY

Full Card-to-Host secured communication from smart card to Cloud App or Web browser.

Secure 128-bit AES encrypted bi-directional reader - panel communication (OSDP:V2) protocol.

256-bit AES encrypted communication between panel and cloud app or web browser.

Accelerometer based tamper and additional panel tamper switch included on the plastic enclosure.



FLEXIBLE CAPABILITY

Cloud or Stand alone capability from one panel.

Small design can be used in US J-box and sleek enclosure.

Diverse deployment for a large variety of jobs— Cloud Based Access management allows easy access to the door and integration with video and intrusion in single or multi site applications.

In stand alone mode the MPA1 can control a single door or manage multiple networked controllers.

* Ethernet Virtual Loop (EVL) is compatible with MPA1 and NetAXS-123 panels.

MPA1 ACCESS CONTROL PANEL

| MPA1 READER/DOOR CONFIGURATIONS | | |
|---------------------------------|--|------|
| CONFIGURATION | INPUTS/OUTPUTS | OSDP |
| 1 Door / 1 Direction | DrCnt (Door Contact), REX (Request to Exit), Switched Ground | Yes |
| 1 Door / 2 Direction | DrCnt (Door Contact), Switched Ground | Yes |

| MPA1 READER/DOOR CONFIGURATIONS | | |
|---------------------------------|---|--|
| | SPECIFICATIONS | MPA1 |
| Communications | Built-in Communication Options | Ethernet |
| | Commissioning Device Utility App | BLE 4.1 |
| | Controller Loop Capability | EVL ⁽¹⁾ : 16 MPA1 or NetAXS-123 (FW 06.00.10.29 or higher) |
| Readers/Doors | Door/Reader Capability | 1 Door/2 OSDP Readers |
| | Expandability | Expandable to 16 Doors/32 Readers per EVL connectivity |
| | Reader Compatibility | OSDP:V2 |
| Outputs | Number of Outputs | Door lock control: 1 Switched Ground output rated at 500 mA @ 12VDC (12V output fused) or rated at 3A with 12V External power; Auxiliary output: 1 SPDT (NO and NC contacts) rated at 2A @ 28 VDC |
| | Output Expandability | Not Available |
| | Relay Power Source | Door lock: 12 VDC @ 500mA Self-Powered source Auxiliary Output: 0–28 VDC externally supplied source |
| Inputs | Number of Inputs | 2 (+1) Configurable four-state supervised input points (Factory Default Settings are: Door Status, REX, enclosure tamper) |
| | Input Expandability | Not Available |
| | Panel Tamper | Internal Tamper: Accelerometer; External Tamper: for enclosure cover |
| Power Inputs | Unit Input | Power Over Ethernet 802.3af Power Class 3 Via separate external power supply 12VDC. maximum input current 900mA |
| | Socket or Hardware AC Input (IEC) | Not Available |
| | Control Board Power Input | 12 VDC from external Power Supply |
| Power Outputs | Power for Locks/Strikes/Reader(s)/Input Devices | When PoE powered: 500mA for strikes, 500mA for Readers (700mA @ 12VDC Total) When Externally powered: Up to 3A for Locks, 500mA for Readers. |
| | Backup Battery System | N/A - Recommend UPS backup to PoE switch or inserter or battery to backup external power supply |
| Enclosure | Material | ABS |
| | Wiring Access Holes/Knock-outs | 4 |
| Installation | Terminal Blocks with Colour-coded Labels | Readers, Door inputs, Door lock, Auxiliary output, Tamper and Power in. |
| | Info Cards/Labels | Yes |
| | Captive Mounting Hardware | Yes |
| System Information | Real Time Clock | Global Geographic Time Zone support; Daylight Saving Time support |
| | Clock Synchronization | Yes: via NTP Network Server |
| | Processor | IMX6UL |
| | System Mean Time Between Failures | 220,000 Hours |
| | Temperature Ratings | Operating with PoE : 0°C to 40°C (32°F to 104°F); Operating with 12VDC: 0°C to 49°C (32°F to 120°F); Storage: -55°C to 85°C (-67°F to 185°F) |
| | Humidity | 85% Non-Condensing |
| Physical | Certifications and Approvals | EMC/CE and FCC Compliant; UL 294 and CAN/ULC 60839-11-1 Listing |
| | Dimensions | Controller: 3.95 inch (100 mm) h x 1.78 inch (45 mm) w x 1.1 inch (28 mm) d Enclosure: 5.51 inch (140 mm) h x 7.09 inch (180 mm) w x 1.7 inch (43 mm) d |
| | Weight | 600 grams approx. (Controller in enclosure) |

(1) When mixing MPA1 and NetAXS123 Controllers, MPA1 must be the Primary Panel and the Panel Loop must be EVL

MPA1 ACCESS CONTROL PANEL

| SPECIFICATIONS | | |
|------------------------|--------------------------------------|---|
| | SPECIFICATIONS | MPA1 |
| LEDs | Status LEDs | 5 LEDs total (Power, Ethernet Link, Tamper / Input Status, Run, Bluetooth active) |
| Host | Software Compatibility | MAXPRO® Cloud or Embedded Web Server |
| | MPA1 as Primary Panel ⁽¹⁾ | Supported Downstream Panels include MPA1 and NetAXS-123 ⁽¹⁾ |
| | Using N-485-PCI-2/PCI-3 Converter | Not Supported |
| Door Control | Door Control Modes | Card only; Card and PIN; Card or PIN; PIN only; Lockdown; Disabled; Supervisor; Escort; Limited use card; Expire on date; First Card Rule; Snow Day Rule; Time Zone Toggle; Anti-Passback; Duress |
| | Interlocks For Customer Actions | Yes |
| | Anti-Passback Capability | Local and Global Capability; Hard and Soft Implementation |
| Cards and Database | Card and Event Buffer Capacity | 10,000 Card Capacity; 25,000 Event Capacity |
| | Firmware Revision | On-board Flash Memory for Field Firmware Revision Updates and Feature Expansion |
| | Offline Database Backup Available | Card and Configuration Databases |
| | Export Capabilities | Card Database; Alarms and Events (CSV format) |
| | Number of Card Formats | 128 unique card formats can be supported |
| | Site Codes | 8 |
| | Maximum Card Format Size | 75-bit (maximum card # = 64-bits) ⁽²⁾ |
| | Time Zones | 127 |
| | Access Levels | 128 |
| | Holidays | 255 |
| Reporting and Analysis | Integrated Basic Reports | Yes |
| | Import/Export of Card Database | Yes |
| | Alarm/Event Export | Yes |
| Web | Supported Browsers | Google Chrome (preferred) |

(1) EVL only.

(2) Suitable for handling the 75-bit transparent card format of PIV, TWIC, and FRAC cards.

ORDERING

MPA1 - SINGLE DOOR EDGE CONTROLLER

MPA1P MPA1 Single Door Smart Edge Access Control Solution, controller and enclosure. (No Reader)

MPA1C1PS20N MPA1 Single Door Smart Edge Access Control Solution, controller and enclosure, plus HID OSDP signo mullion reader

READERS (OSDP READY)

SIGNO20NOSDP HID Signo Mullion OSDP Preconfigured multi format reader, compatible with HID Prox, iClass, OmniClass and SEOS credentials

SIGNO40KNOSDP HID Signo Keypad OSDP Preconfigured multi format reader, compatible with HID Prox, iClass, OmniClass and SEOS credentials

ACCESSORIES

MPA1ENCP MPA1 Plastic Enclosure for MPA1C1

MPA1C1 MPA1 Single Door Access Control Solution - Fits in US J-box

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