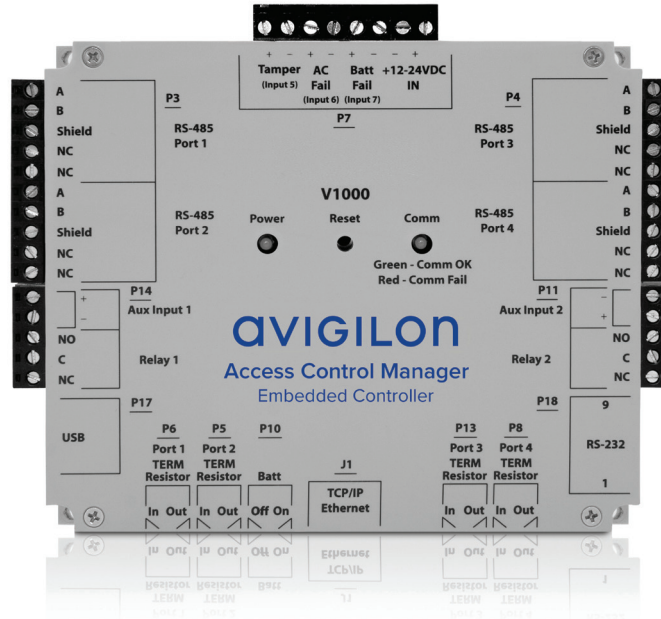


Avigilon™ Access Control Manager Embedded Controller™



The Access Control Manager (ACM) Embedded Controller from Avigilon is an all-in-one security management application and controller.



ACM EMBEDDED
CONTROLLER

The ACM Embedded Controller eliminates the need for a traditional server. It provides a complete and fully functional hardware/firmware infrastructure that supports the factory installed software running on the ACM Embedded Controller environment.

The ACM Embedded Controller makes all online door decisions, input monitoring and output control for all connected interface modules. It is designed to work with up to eight HID VertX V100 Reader Interfaces as part of the overall ACM Embedded Controller access control solution for up to 16 doors. This is offered in 4, 8 and 16-Door kits, each with a single part number.

The ACM Embedded Controller has two on-board inputs and outputs for local input monitoring and auxiliary output control. In addition there are three other inputs for tamper, AC fail and battery fail. The controller is powered by a local power supply (12 or 24 VDC).

The ACM Embedded Controller is IP enabled. It enhances web connections by allowing a custom IP address or host name to be defined, and is DHCP enabled.

Programming the ACM Embedded Controller has been simplified with the ability to configure access doors, inputs and outputs after each interface panel is created. This allows faster deployment of the access control system.

Offline mode provides the option of valid access to a door even when the reader module is not communicating to the controller (or alternatively moving into lockdown mode). When offline the V100 provides offline operation and performs all access decisions.

KEY FEATURES

- 100% browser based application factory installed by Avigilon
- Simplified programming and navigation
- IP enabled controller
- Supports offline mode
- Removable terminal blocks for easy installation
- Plastic enclosure protects vital components
- HID VertX V200 input control interface and V300 output control interface supported



Specifications

| | | |
|-----------------------------|------------------------------------|---|
| SYSTEM | Card holders | Up to 2000 |
| | Operators | Up to 10, two concurrent client connections |
| | Card formats | Configurable - four defaults |
| | Subpanels | Up to eight |
| | Doors supported | Up to 16 |
| | Transactions | Up to 25,000 |
| | Schedules | Configurable - two defaults |
| CONTROLLER | Audio / Visual indicators | Power LED and RS-485 Communications LED |
| | Communication Ports | Ethernet (10/100), RS-485 (half duplex) |
| | Warranty | Warrantied against defects in materials and workmanship for 18 months |
| MECHANICAL | Dimensions (WxHxD) | 147.32 mm x 122.55 mm x 32.38 mm; 5.8" x 4.825" x 1.275" |
| | Weight | 0.35 kg; 12.4 oz |
| | Housing Material | UL94 polycarbonate |
| | Mounting | Mount to any wall surface, using four screws. For UL compliance, one or more gateways can be mounted inside a locking customer supplied NEMA-4 rated enclosure |
| CABLE SPECIFICATION | Ethernet | <ul style="list-style-type: none"> 300ft (100m), CAT-5 ALPHA 9504C, ALPHA 9405F |
| | RS-485 (for Vx00 connection) | <ul style="list-style-type: none"> 4000ft (1219m), 2-twisted pair shielded cable (two independent RS-485 networks) 22AWG Belden 3105A |
| | Input Circuits | <ul style="list-style-type: none"> 500ft (150m), 2-conductor shielded 22AWG ALPHA 1292C 18AWG ALPHA 2421C |
| | Output Circuits | <ul style="list-style-type: none"> 500ft (150m), 2-conductor shielded 22AWG ALPHA 1172C 18AWG ALPHA 1897C |
| ELECTRICAL | Operating Current (MAX) @ 12-24VDC | 1000mA |
| | Operating Current (AVG) @ 12VDC | 210mA |
| | Supervised Inputs Power (MAX) | 0.025W (5mA sink, 5V nominal) 0 to +5VDC Ref |
| RELAY RATING | Relay Contact Rating (Dry Output) | 2A @ 30VDC (MAX Amperage that is UL Certified) 5A @ 30VDC |
| ENVIRONMENTAL | Operating Temperature | 0° C to 50° C (32° F to 122° F) |
| | Humidity | 5 - 95% Relative humidity (non-condensing) |
| CERTIFICATIONS | US and Canada | UL294 (US) Listed Component FCC Class A (US) CSA 205 (Canada) ICES-003 Class A (Canada) |
| | Europe | CE Mark EN 301 489-3 EN 55022 EN 50130-4 (EU) |
| | Asia/Australasia | C-Tick AS/NZS CISPR 22 (Australia, New Zealand) & Korea (KCC) |
| ORDERING INFORMATION | AC-HID-LSP-ACMEC-KIT4 | <p>Four Door Reader Kit includes:</p> <ul style="list-style-type: none"> One AC-LSP-4DR-HID-LCK LifeSafety Power four door HID dual voltage integrated power system One Avigilon AC-HID-ACMEC V1000 ACM Embedded Controller Two AC-HID-VERTEX-V100 HID VertX V100 reader interface modules <ul style="list-style-type: none"> Four AC-HID-READ-ICLASS-SE-R10-AVG HID iCLASS SE R10 card readers 100 AC-HID-CARD-ICLASS-SE-3000-AVG iCLASS SE contactless smart card, 2k bit with two application areas |
| | AC-HID-LSP-ACMEC-KIT8 | <p>Eight Door Reader Kit includes:</p> <ul style="list-style-type: none"> One AC-LSP-8DR-HID-LCK LifeSafety Power eight door HID dual voltage integrated power system One Avigilon AC-HID-ACMEC V1000 ACM Embedded Controller Four AC-HID-VERTEX-V100 HID VertX V100 reader interface modules <ul style="list-style-type: none"> Eight AC-HID-READ-ICLASS-SE-R10-AVG HID iCLASS SE R10 card readers 100 AC-HID-CARD-ICLASS-SE-3000-AVG iCLASS SE contactless smart card, 2k bit with two application areas |
| | AC-HID-LSP-ACMEC-KIT16 | <p>16 Door Reader Kit includes:</p> <ul style="list-style-type: none"> One AC-LSP-16DR-HID-LCK LifeSafety Power 16 door HID dual voltage integrated power system One Avigilon AC-HID-ACMEC V1000 ACM Embedded Controller Eight AC-HID-VERTEX-V100 HID VertX V100 reader interface modules <ul style="list-style-type: none"> 16 AC-HID-READ-ICLASS-SE-R10-AVG HID iCLASS SE R10 card readers 100 AC-HID-CARD-ICLASS-SE-3000-AVG iCLASS SE contactless smart card, 2k bit with two application areas |
| | AC-HID-ACMEC | Avigilon Access Control Manager Embedded Controller (with plastic enclosure back plate & cover), browser-based ACM Controller, 16 doors, 2000 cardholders, 10 operators, 25,000 transactions, 8 subpanel support, schedules, holidays, access groups |

