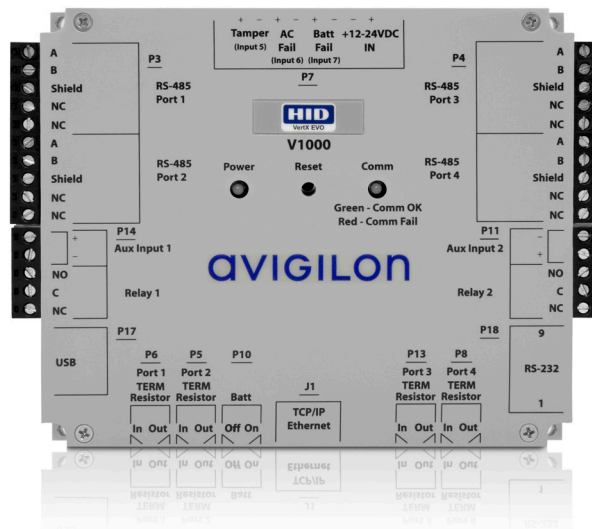


VertX EVO™ V1000 Networked Controller

AVIGILON

Avigilon™ Access Control Manager (ACM) supports open field hardware from HID™ Global allowing organizations to leverage investments in non-proprietary field hardware, with retrofit programs available for industry standard door hardware and card readers, including contact/contactless smart card, proximity, magnetic stripe and barcode.



As part of HID Global's Networked Access Solutions, VertX EVO™ V1000 is a multidoor access control panel that reduces the burden on corporate LANs by connecting up to 32 door controllers using only one IP address. VertX EVO V1000 handles all online door decisions, input monitoring and output control for all connected interface modules. The solution has two on-board inputs and outputs for local input point monitoring and auxiliary output control, and is powered by a local power supply (12 or 24 VDC). VertX EVO V1000 works with standard VertX V100 door interface, V200 input monitor and V300 output control interface modules. VertX EVO solutions are created for on-site system administrations, like Avigilon Access Control Manager.

KEY FEATURES

- A complete and fully functional hardware/firmware infrastructure for Access Control Manager systems
- Stores a complete access control and configuration database for up to 32 Reader Interfaces (up to 64 doors).
- Connects to the host and other devices on a TCP/IP network.
- Receives and processes real-time commands from the Access Control Manager application.
- Reports all activity to the host; reports supervised inputs and alarms.
- Provides fully functional offline operation when not actively communicating with the Access Control Manager, performing all access decisions and event logging.
- Access control system interfaces with a maximum of 32 device combinations. Devices are
 - V100 – Door/reader interface (up to 2 doors/1 reader or 1 door/2 readers)
 - V200 – Input monitor interface (up to 16 monitor points per device)
 - V300 – Output control interface (up to 12 control relays per device)



Specifications

CONTROLLER	Audio / Visual indicators	Power LED and RS-485 Communications LED
	Communication Ports	Ethernet (10/100), RS485 (half duplex)
	Warranty	Warranted 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 3105
	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 +5VCD Ref

RELAY RATING	Relay Contact Rating (Dry Output)	2A @ 30VDC (MAX Amperage that is UL Certified) 5A @ 30VDC
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ENVIRONMENTAL	Operating Temperature	0° C to 50° C (32° F to 122° F)
	Humidity	5 - 95% Relative humidity (non-condensing)

CERTIFICATIONS	UL294 (US) Listed Component	CSA 205 (Canada)	FCC Class A (US)	ICES-003 Class A (Canada)
	CE Mark EN 301 489-3 EN 55022 EN 50130-4 (EU)			
	C-Tick AS/NZS CISPR 22 (Australia, New Zealand) & Korea (KCC)			

ORDERING INFORMATION	AC-HID-VERTEX-V1000	VertX EVO™ V1000 Networked Controller (71000BEP0N01C-AVG)
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