

# VertX EVO™ V2000 Reader Interface/Networked Controller



CONTROLLERS

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™ V2000 is a two reader access control panel that enables interface with two doors (single reader) or one door (in/out reading). VertX EVO V2000 handles all online door decisions, door input monitoring and output control and reader interface for up to two doors. The V2000 has two inputs per door for door monitor and REX, and 2 outputs per door for lock and AUX. Additionally the solution has three inputs for AC power fail, Battery power fail and Tamper. The EVO V2000 is powered by a local power supply (12 or 24 VDC).

VertX EVO solutions are created for on-site system administrations, like 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 2 Reader Interfaces (up to 2 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.
- Interface for two Wiegand or Clockand-Data readers; inputs for 2 door monitors, 2 REX switches, AC fail, Battery fail and Tamper.
- Non-latching relay outputs rated 2 A @30 VDC
  - 2 door strikes (configurable)
  - 2 auxiliary devices



# Specifications

<b>CONTROLLER</b>	Audio / Visual indicators	Power LED and Communications LED			
	Communication Ports	Ethernet (10/100)			
	Warranty	Warrantied against defects in materials and workmanship for 18 months			
<b>MECHANICAL</b>	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			
<b>CABLE SPECIFICATION</b>	Ethernet	<ul style="list-style-type: none"> <li>• 300ft (100m), CAT-5</li> <li>• ALPHA 9504C, ALPHA 9405F</li> </ul>			
	Wiegand / C&D	<ul style="list-style-type: none"> <li>• 500ft (150m), 9-conductor shielded</li> <li>• 22AWG ALPHA 1299C</li> </ul>			
	Input Circuits	<ul style="list-style-type: none"> <li>• 500ft (150m), 2-conductor shielded</li> <li>• 22AWG ALPHA 1292C</li> <li>• 18AWG ALPHA 2421C</li> </ul>			
	Output Circuits	<ul style="list-style-type: none"> <li>• 500ft (150m), 2-conductor shielded</li> <li>• 22AWG ALPHA 1172C</li> <li>• 18AWG ALPHA 1897C</li> </ul>			
<b>ELECTRICAL</b>	Operating Current (MAX) @ 12-24VDC	1000mA			
	Operating Current (AVG) @ 12VDC	625mA (with 2 iCLASS™ Readers)			
	Supervised Inputs Power (MAX)	0.025W (5mA sink, 5V nominal) 0 to +5VCD Ref			
<b>OUTPUT POWER FOR INDIVIDUAL FIELD DEVICES</b>	Wiegand / C&D Reader	12VDC, 250mA each			
	Relay Outputs	30VDC, 2Amp, resistive			
<b>ENVIRONMENTAL</b>	Operating Temperature	0° C to 49° C (32° F to 120° F)			
	Humidity	5 - 85% Relative humidity (non-condensing)			
<b>CERTIFICATIONS</b>		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)			
<b>ORDERING INFORMATION</b>	AC-HID-VERTEX-V2000	VertX EVO™ V2000 Networked Controller (72000BEP0N01C-AVG)			

