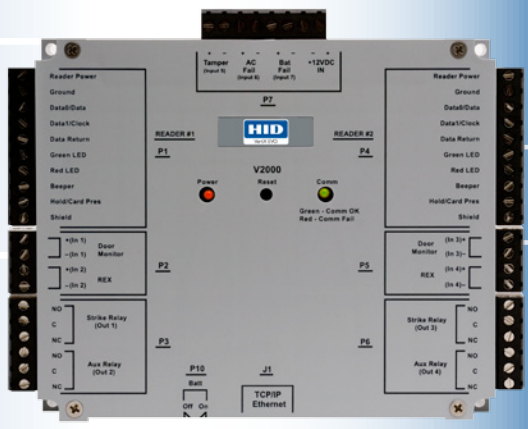
NETWORKED ACCESS SOLUTIONS

V2000 Reader Interface/ Networked Controller



Cable Specifications

Ethernet:
- 300ft (100m), CAT-5
- ALPHA 9504C, ALPHA 9405F

Wiegand / C&D:
- 500ft (150m), 9-conductor shielded
- 22AWG ALPHA 1299C

Input Circuits:
- 500ft (150m), 2-conductor shielded
- 22AWG ALPHA 1292C
- 18AWG ALPHA 2421C

Output Circuits:
- 500ft (150m), 2-conductor shielded
- 22AWG ALPHA 1172C
- 18AWG ALPHA 1897C

ACCESS CONTROL PROCESSING AND HOST INTERFACE FOR TWO READERS

- **Open Architecture** – Development platform enables use of hardware with any OPIN compliant access control software from a wide variety of partners.
- **Two Reader Support** – To protect two doors with a single reader, or in/out reading on a single door.
- **High Performance** – Powerful new platform increases cardholder capacity, decreases door transaction time and increases door uptime.

HID Global's Networked Access Solutions provide an open architecture development platform that enables HID's software partners to deploy a wide variety of versatile access control systems that protect their customers' hardware investments.

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 EVO V2000 has two inputs per door for door monitor and REX, and 2 outputs per door for lock and AUX.

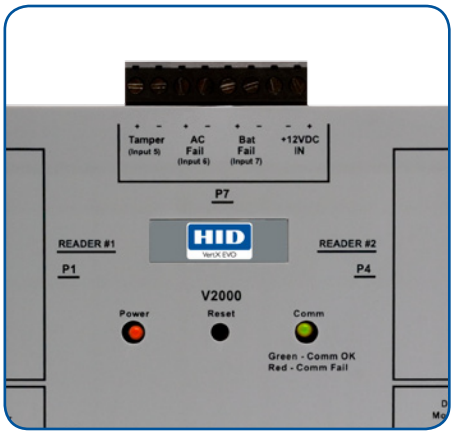
Additionally the solution has three inputs for AC power fail, Battery power fail and Tamper. The EVO V2000 is powered by a local power supply (12 or 24 VDC).

VertX EVO solutions are created for both on-site system administration as well as service oriented off-site solutions, depending on the OEM software provider's total solution.

Providing access to a complete ecosystem of partner solutions, VertX EVO enables customizable products that leverage the unique power of individual software provider offerings.

Features:

- Provides a complete and fully functional hardware/firmware infrastructure for access control software host systems.
- Enables the replacement of head end software without visiting the access control panel, reducing change out costs.
- Stores a complete access control and configuration database for up to 2 Reader Interfaces (up to 2 doors) and 250,000 cardholders.
- Connects to the host and other devices on a TCP/IP network.
- Receives and processes real-time commands from the host software application.
- Reports all activity to the host; reports supervised inputs /alarms with 255 priorities.
- Provides fully functional offline operation when not actively communicating with the host access control software application, performing all access decisions and event logging.
- Interface for two Wiegand or Clock-and-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
  - o 2 door strikes (configurable)
  - o 2 auxiliary devices (door held/ forced alarm, alarm shunt, host offline (communication



SPECIFICATIONS

Model (and Part #)	EVO V2000 (72000BEP0N01A)
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
Dimensions	5.8" W x 4.825" H x 1.275" D (147.32 mm x 122.55 mm x 32.38 mm)
Weight	12.4 oz (.35 kg)
Housing Material	UL94 polycarbonate
Audio / Visual Indicators	Power LED and Communications LED
Operating Temperature	32° to 120° F (0° to 49° C)
Operating Humidity	5% to 85% relative, non-condensing
Communication Ports	Ethernet (10/100)
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)
Warranty	Warrantied against defects in materials and workmanship for 18 months (See complete warranty policy for details).
Input Power	
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
Output Power (MAX) for individual field devices	
Wiegand / C&D Reader	12VDC, 250mA each
Relay Outputs	30VDC, 2Amp, resistive

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2012-05-23-vertx-evo-v2000-controller-ds-en

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