



# Networked Access Solutions How to Order Guide

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Date	Author	Description	Version
6/21/15	DD	Removed Hi-O only offering and EVM module.	C.5
8/06/14	DD	Remove VertX and EDGE	C.4
11/12/12	DD	Modified DTK page - EDGE EVO and VertX EVO Essential Developer Tool Kit, OPIN API Migration Version - Removed EVO-DTK-E1A	C.2
07/24/12	DD	Added VertX EVO V2000	C.1
12/16/11	DD	Updated product information	C.0

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## VertX EVO Controller Part Numbers and Options

Production released product.

VertX Controller Description	Base Part	Rev. No.*	Use	Hardware Configuration	Config. Option	Access Control API	Custom <sup>1</sup>
VertX EVO™ V1000 Master Controller 250,000 Cardholders* 99,999 Transactions*	71000	B	E = Embedded or Other	P0 = PCB Assembly (plastic enclosure back plate & cover)	N0	1A = OPIN API	XXXXXX
VertX EVO V2000 2 Door Controller 250,000 Cardholders* 99,999 Transactions*	72000	B	E = Embedded or Other	P0 = PCB Assembly (plastic enclosure back plate & cover)	N0	1A = OPIN API	XXXXXX

\* Default memory configuration

## VertX Module Part Numbers and Options

Works with VertX EVO V1000 and VertX® V1000

VertX Panel Description	Base Part	Rev. No.*	Use	Hardware Configuration	Config. Option	Custom <sup>1</sup>
VertX V100 Reader/Door Interface 2 Doors with 1 Reader per door or 1 Door with 2 Readers	70100	A	E = Embedded or Other	P0 = PCB Assembly (plastic enclosure back plate & cover)	N	XXXXXX
VertX V200 Input Monitor Interface 16 Inputs / 2 Outputs	70200	A	E = Embedded or Other	P0 = PCB Assembly (plastic enclosure back plate & cover)	N	XXXXXX
VertX V300 Output Control Interface 12 Outputs / 2 Inputs	70300	A	E = Embedded or Other	P0 = PCB Assembly (plastic enclosure back plate & cover)	N	XXXXXX

For Technical Support, go to [support.hidglobal.com](http://support.hidglobal.com).

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<sup>1</sup> Consult Factory.

**Example Part #'s :** VertX EVO V1000 Controller: 71000BEP0N01A ; VertX V100 Panel: 70100AEB0N

## EDGE EVO Standard Controller Host Part Numbers and Options

Standard EDGE EVO® products work with discrete connections to traditional door hardware and Wiegand readers.

EDGE EVO Standard Controller Products	Base Part	Rev. No.*	Color	Hardware Configuration	Configuration	Access Control API	Custom <sup>1</sup>
<b>EH400-K Standard Controller</b> Single door, IP-based controller for Host-based systems. Single physical package. Door inputs/outputs are 4 external inputs, 2 outputs; on-board optical tamper (standard mount). One Wiegand / Clock-and-Data reader interface. For use indoor or outside in weatherproof enclosure. US single-gang, US double-gang or EU/APAC 60mm mount.	82000	C	K = Black	E = Externally-mounted reader	1A = OPIN API		XXXXXX
<b>EHR40-K Standard Controller / Reader and Module</b> Single door, IP-based controller with integrated R40 iCLASS reader for host-based systems. Two physical packages; IP-based reader for mount at access point and "Door Module" with interface to 4 external inputs, 2 outputs; optical tamper. Second reader possible using additional IO interface module (EWM-M or EDWM-M). For indoor use. Door Module mounted in secure location. US Single-gang or EU/APAC 60mm mount.	82120	C	K = Black	I = Integrated controller / reader, with segregated module (separate physically installed device) containing discrete IO	000 = LED normally Red, Flash Green and beep on card read	1A = OPIN API	XXXXXX
<b>EHR40-L Single-Output Controller / Reader and Module</b> Single door, IP-based controller with integrated R40 iCLASS reader for host-based systems. Two physical packages; IP-based reader for mount at access point and "Lock Module" with interface single (1) lock output. For indoor use. Door Module mounted behind reader in US Single-gang box, in hollow door frame or other secure location. Reader is US Single-gang or EU/APAC 60mm mount.	82120	C	K=Black	L = Integrated controller / reader, with segregated module (separate physically installed device) containing single discrete lock output	000 = LED normally Red, Flash Green and beep on card read	1A = OPIN API	XXXXXX
<b>EHRP40-K Standard Controller / Reader and Module</b> Single door, IP-based controller with integrated RP40 multiCLASS reader for host-based systems. Two physical packages; IP-based reader for mount at access point and "Door /Wiegand Module" with interface to 4 external inputs, 2 outputs and one Wiegand / Clock-and-Data reader interface; Second reader possible using Wiegand Optical tamper (standard mount). For indoor use. Door / Wiegand Module mounted in secure location. US Single-gang or EU/APAC 60mm mount.	82125	C	K = Black	I = Integrated controller / reader, with segregated module (separate physically installed device) containing discrete IO and Wiegand reader interface for second reader	000 = LED normally Red, Flash Green and beep on card read	1A = OPIN API	XXXXXX

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<sup>1</sup> Consult Factory.

## EDGE EVO IO Interface Module Part Numbers and Options

EDGE EVO IO Interface Modules convert native Hi-O interface present on all EDGE EVO controllers to discrete IO and Wiegand readers.

EDGE EVO Hi-O Interface Module	Base Part	Rev. No.*	Color	Hardware Configuration
<b>EDWM-M Door &amp; Wiegand Module</b> The "Door & Wiegand Module" enables controller interface to one (1) Wiegand or Clock-and-Data reader and includes , 4 external inputs, 2 outputs and includes and includes an on-board optical tamper (standard mount). For use indoor or outside in weatherproof enclosure. IO can be used to interface to door components or for more general purpose use.	82363	A	K = Black	M = Mountable on US single-gang, EU / APAC 60mm electrical box
<b>EDM-M Door Module</b> The "Door Module" enables controller interface to 4 external inputs, 2 outputs; and includes an on-board optical tamper (standard mount). For use indoor or outside in weatherproof enclosure. IO can be used for general purpose.	82342	A	K = Black	M = Mountable on US single-gang, EU / APAC 60mm electrical box
<b>EWM-M Wiegand Module</b> The "Wiegand Module" enables controller interface to one (1) Wiegand / Clock-and-Data reader. For use indoor or outside in weatherproof enclosure.	82360	A	K = Black	M = Mountable on US single-gang, EU / APAC 60mm electrical box
<b>EIM-M Input Module</b> The "Input Module" enables controller interface to 4 external inputs and includes an on-board optical tamper (standard mount). For use indoor or outside in weatherproof enclosure. IO is always general purpose.	82340	A	K = Black	M = Mountable on US single-gang, EU / APAC 60mm electrical box
<b>ELM Lock Module</b> The "Lock Module" enables controller interface to a single (1) output interface. Primary use is single (1) lock output. For mount in US single-gang electrical box, hollow door frame or other location.. Output can be re-purposed for general purpose.	82301	A	N = Small package to mount inside a US single-gang electrical box, hollow door frame or other location.	

## EDGE EVO Spacer and Reverse Mounting Accessories

EDGE EVO spacer and reverse mounting accessories to be used with EDGE EVO controllers, controller/readers and interface modules.

EDGE EVO Spacer Accessories	Part Number
<b>EH400-K Spacer</b> EH400-K spacer / flush-mount spacer with 0.5" circular knockouts. US single-gang, US double-gang or EU/APAC 60mm mounting holes.	82100AKD
<b>EHR40 &amp; EHRP40 Spacer</b> EHR(P)40 flush-mount spacer with 0.5" circular knockouts. US single-gang or EU/APAC 60mm mounting holes.	82100AKA
<b>Mountable Module (-M) Spacer</b> Mountable modules (EDWM-M, EDM-M, EWM-M, EIM-M) flush-mount spacer with 0.5" circular knockouts. US single-gang or EU/APAC 60mm mounting holes.	82100AKC

EDGE EVO Reverse Mounting Accessories	Part Number
<b>EH400-K Reverse Mounting Plate</b> EH400-K reverse-mount kit. For mounting in cabinets with connectors facing the cabinet opening (toward installer).	82100AKD-R
<b>EH400 Reverse Mounting Plate</b> EH400 reverse-mount kit. For mounting in cabinets with connectors facing the cabinet opening (toward installer).	82100AKB-R
<b>Mountable Module Reverse Mounting Plate</b> Mountable modules (EDWM-M, EDM-M, EWM-M, EIM-M) reverse-mount kit. For mounting in cabinets with connectors facing the cabinet opening (toward installer).	82100AKC-R



## EDGE EVO Mounting Plate Accessory

EDGE EVO mounting plate accessories to be used with EDGE EVO controllers and interface modules. These parts are included with controller, reader/controller and module products, and can be ordered to replace mounting plates if required.

EDGE EVO Mounting Plate Accessory	Part Number
<b>EH400-K Mounting Plate</b> EH400-K mounting plate used to mount the product to US single-gang, US double-gang or EU/APAC 60mm mounting holes.	82000-126-01
<b>EHR40 / EHRP40 Mounting Plate</b> EHR40 / EHRP40 mounting plate used to mount the product to US single-gang or EU/APAC 60mm mounting holes.	82000-114-01
<b>Mountable Module Mounting Plate</b> Mountable modules (EDWM-M, EDM-M, EWM-M, EIM-M) mounting plate used to mount the product to US single-gang or EU/APAC 60mm mounting holes.	82000-130-01

## EDGE EVO Installation Accessory Kits

EDGE EVO installation accessory kits to be used with EDGE EVO controllers and interface modules. These parts are included with controller, reader/controller and module products, and can be ordered to replace mounting screws, male terminal strip connectors and installation manual if required.

EDGE EVO Installation Accessory Kits	Part Number
<b>EH400-K Installation Accessory Kit</b> EH400-K installation Accessory kit. Includes mounting screws, male terminal strip connectors and installation manual.	82000-342-01
<b>EH400 Installation Accessory Kit</b> EH400 installation Accessory kit. Includes mounting screws, male terminal strip connectors and installation manual.	82000-325-01
<b>EHR40 / EHRP40 Installation Accessory Kit</b> EHR40 / EHRP40 installation Accessory kit. Includes mounting screws, male terminal strip connectors and installation manual.	82000-325-02
<b>EDWM-M Door &amp; Reader Module Accessory Kit</b> EDWM-M installation Accessory kit. Includes mounting screws, male terminal strip connectors and installation manual.	82000-342-02
<b>EDM-M Door Module Accessory Kit</b> EDM-M installation Accessory kit. Includes mounting screws, male terminal strip connectors and installation manual.	82000-342-03
<b>EWM-M Wiegand Module Accessory Kit</b> EWM-M installation Accessory kit. Includes mounting screws, male terminal strip connectors and installation manual.	82000-342-05
<b>EIM-M Input Module Accessory Kit</b> EIM-M installation Accessory kit. Includes mounting screws, male terminal strip connectors and installation manual.	82000-342-04



## Developer Tool Kits (DTK)

Tool Kit Description	Part Number
<p><b>EDGE EVO and VertX EVO Full Developer Tool Kit, OPIN API Migration Version</b></p> <p>Includes EDGE EVO EH400-K, VertX EVO V1000, VertX V100, V200, V300. The product is pre-wired and mounted on the developer board. Includes an I/O switchboard, iCLASS SE RPK40 readers, user cards and a power supply. A migration specification and other supporting documentation is available on the HID Global Developer web site. Contact your sales representative for access.</p>	EVO-DTK-F1A