

FEATURE COMPARISON CHART

VertX EVO™ / EDGE EVO® vs VertX® / EDGE®, OPIN API

FEATURE	PRODUCT		
EVO Hardware vs standard Hardware (using OPIN)		EVO Hardware Platform	standard Hardware Platform
Processor / Speed	Platform	ARM9 / 200 Mips	ETRAX / 100 Mips
RAM	Platform	64 MB	32 MB
Operating system	Platform	Linux 2.6	Linux 2.4
Secure shell and transport protocols (SSH / SCP) enabled	Platform	Yes	No
MAX Event buffer	Platform	99,999	5,000
VertX EVO vs VertX		VertX EVO	VertX
Flash memory	VertX	256 MB	8 MB
Cardholder capacity with standard memory configuration	VertX	250,000	44,000
Input Power	VertX	12 V to 24 V	12 V to 18 V
Downstream device capacity	VertX V1000	Up to 32 interface devices (64 readers)	Up to 32 interface devices (64 readers)
Downstream device compatibility	VertX V1000	VertX V100, V200, V300	VertX V100, V200, V300
RTC Backup	VertX	Coin cell battery	Coin cell battery
RS232 Ports	VertX V1000	1	2
USB Ports	VertX V1000	1 (Reserved for Future Use)	0
UL 294 / 1076 Recognized Component	VertX	Yes	Yes
EDGE EVO vs EDGE		EDGE EVO	EDGE
Flash memory	EDGE	128 MB	8 MB
Cardholder capacity with standard memory configuration	EDGE	125,000	44,000
Lock power provided by controller	EDGE	12 V or 24 V	12 V
Reader power provided by controller	EDGE	12 V	12 V
Input Power	EDGE	PoE, 12 V, 24 V	PoE, 12 V
Power Over Ethernet (PoE) Standard	EDGE	802.3af	802.3af
Output Power (MAX) for all field devices	EDGE Standard Controller	9.6W (EH400-K)	8.4W (E400)
	EDGE Standard Reader/Controller	8W (EHR40-K)	7.2W (ER40)
In / Out Reading (2 Readers)	EDGE	Yes	No
13.56 MHz "Smart card" credential compatibility	EDGE Reader/Controller	iCLASS	iCLASS
125 kHz "Prox" credential compatibility	EDGE Reader/Controller	HID Prox, Indala, EM4102, AWID	HID Prox
RTC Backup	EDGE	Super-cap (2-5 days) No replacement required	Battery (3-5 years) Requires replacement
Tamper	EDGE	Optical or External Switch	Mechanical or External Switch
Inputs / Outputs	EDGE	5 Inputs & 2 Outputs	5 Inputs & 2 Outputs
Expandable IO	EDGE	Yes - Up to 16 Inputs & 6 Outputs	No
EDGE Reader / Controller Packaging - Number of physical devices to install	EDGE Reader/Controller	2	1
EDGE Reader / Controller - Only secure side access to lock output	EDGE Reader/Controller	Yes	No
Door communication	EDGE	Discrete IO & Wiegand & Hi-O	Discrete IO & Wiegand
Mounting holes & wiring termination	EDGE	US Single-Gang & EU / ASIA 60 mm	US Single-Gang
UL 294 Recognized Component	EDGE Controller	Yes	Yes
	EDGE Reader/Controller	Yes	No

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