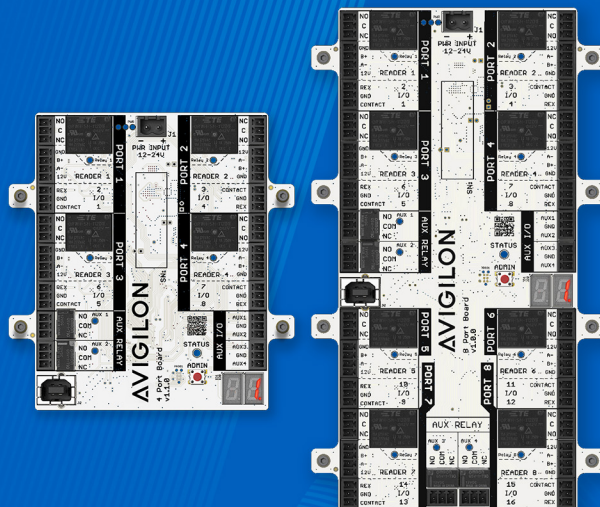


[Datasheet](#)[OP-EX-4E](#)[OP-EX-8E](#)

AVIGILON™

4-Port and 8-Port Expansion Boards

Add more sensors to your system



The Avigilon 4-Port and 8-Port Expansion Boards connect to the Avigilon Access Control Core and support either four or eight entries and readers. The Expansion Boards work with the Access Control Core to securely make all entry decisions and include primary ports for Avigilon Smart Readers, relays, request-to-exit (REX) sensors, and contact sensors.



Simplified install

Easy to install, using industry standard RS-485 signaling to communicate with Smart Readers over standard wiring, and USB to connect to the Access Control Core. The Expansion Board features removable contact terminal blocks for easier wiring.



Fast, plug-and-play setup

Pre-assigned input ports for contact sensors and REX devices streamline setup. Configurable auxiliary input/output pins provide extra connections for Wiegand devices or additional sensors.



Smart monitoring

EOL monitoring with single or double termination on all REX, contact and auxiliary inputs supported with user-installed 1K resistors.



Easily scalable

Extend your system to connect more entries and devices by adding expansion boards to the Access Control Core.



Powerful cloud management

Do more with less, securely and easily, by leveraging the cloud for remote system management, diagnostics, and communication.



Lifetime limited warranty

Avigilon's access control hardware is backed by a limited lifetime warranty, helping ensure lasting quality.



MOTOROLA SOLUTIONS

Specifications

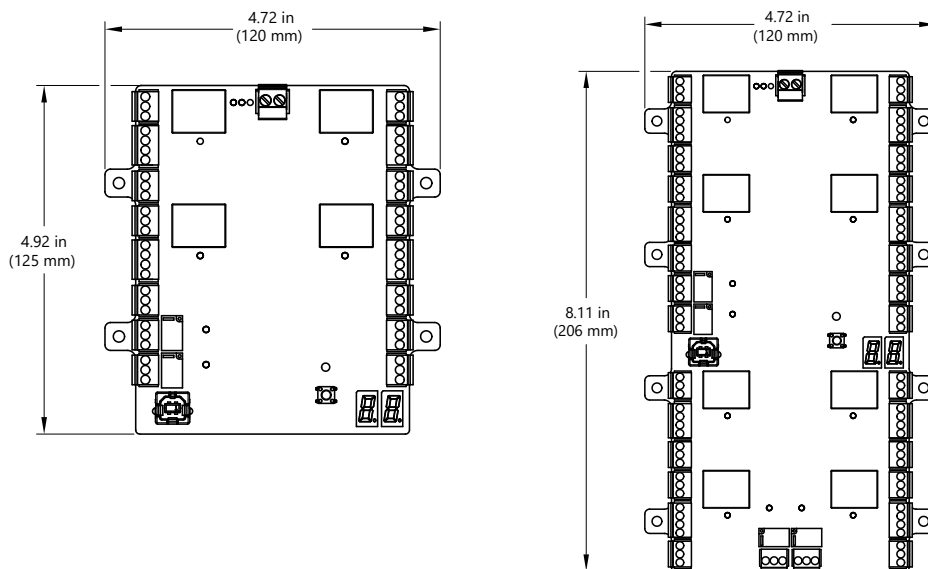
INTERFACES	OP-EX-4E	OP-EX-8E
Reader Ports	4 RS-485 for Avigilon Smart Readers	8 RS-485 for Avigilon Smart Readers
Relay Ports	4 dry relay	8 dry relay
REX and Contact Ports	4 REX and 4 contact	8 REX and 8 contact
Aux Relay Ports	2 dry relay	4 dry relay
Aux I/O Ports	4 input/output	
USB Ports	1 USB port to communicate with the Access Control Core	

GENERAL

LED Indicators	Board power on or off, board ID number, connection status to Access Control Core	
Power Excludes operating current for attached readers	0.5A @ 12VDC 0.3A @ 24VDC	0.6A @ 12VDC 0.3A @ 24VDC
Relay Ports	5A @ 24V (resistive)	
Aux Relay Ports	1A @ 24V (resistive)	

DIMENSIONS

Device Only



Weight	0.26 lb (122 g)	0.5 lb (227 g)
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ENVIRONMENTAL

Temperature	Operating Temperature: 0°C (32°F) to 50°C (122°F)
Humidity	Operating Humidity: 5% to 85% relative, non-condensing

Operating temperature must not be exceeded.

REGULATORY

Certifications	FCC (United States), IC (Canada), CE (Europe), UKCA (United Kingdom), UL 294, RCM (Australia, New Zealand)
Compliance	NDAA, TAA



WARRANTY

Avigilon Alta Access Warranty

Lifetime limited; for more information, visit [avigilon.com/support/warranty](https://www.avigilon.com/support/warranty)

Ordering Information

PART NUMBER	DESCRIPTION
OP-EX-4E	Avigilon 4-Port Expansion Board
OP-EX-8E	Avigilon 8-Port Expansion Board

Support

For product support, visit: [avigilon.com](https://www.avigilon.com) or sales@avigilon.com

For more information, visit:

[avigilon.com/access-control/4-port-board-op-4ex4](https://www.avigilon.com/access-control/4-port-board-op-4ex4) and [avigilon.com/access-control/8-port-board-op-8ex8](https://www.avigilon.com/access-control/8-port-board-op-8ex8)



MOTOROLA SOLUTIONS

AVIGILON

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