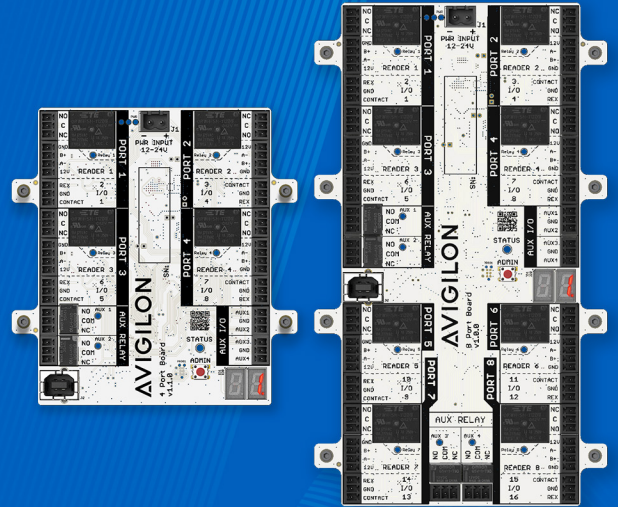# AVIGILON™

4-Port and 8-Port Expansion Boards

Expandable access control for the modern workplace

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
Ensure peace of mind, knowing that Avigilon stands behind its access control hardware with a lifetime limited warranty, guaranteeing the quality of your security solution.
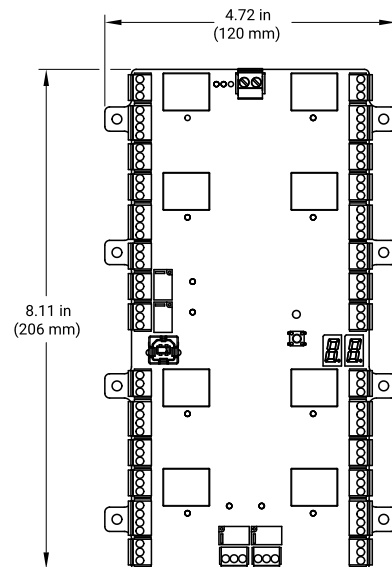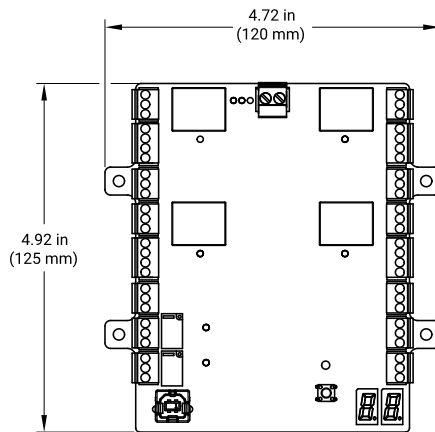
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Specifications

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 Exclude operating current for attached readers	0.5A @ 12VDC 0.3A @ 24VDC	0.6A @ 12VDC 0.3A @ 24VDC

DIMENSIONS		
Device Only		
Weight	0.26 lbs (122 g)	0.5 lbs (227 g)

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

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 or sales@avigilon.com

For more information, visit:

avigilon.com/access-control/4-port-board-op-4ex4 and avigilon.com/access-control/8-port-board-op-8ex8

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