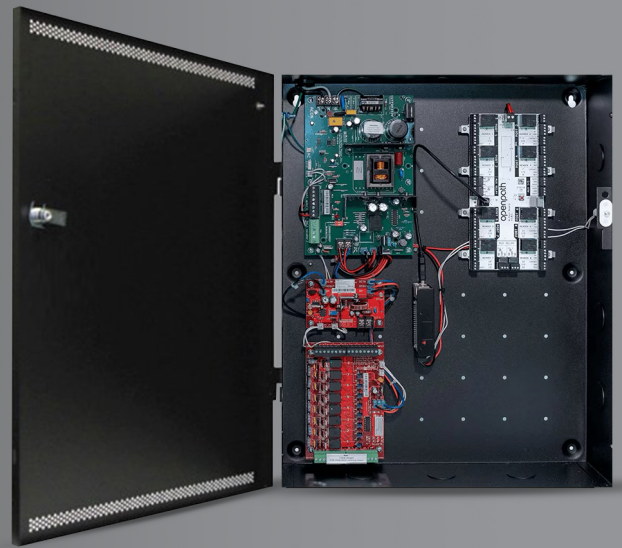# AVIGILON™

12/24V 8-DOOR CORE SERIES SMART HUB

EXPANDABLE ACCESS CONTROL FOR THE MODERN WORKPLACE

Smart Hubs are shipped unassembled. Some hardware may show the Openpath logo.

SYS-8ENT-DVE2

Seamlessly expand your access control with our modular Core Series Smart Hub that features configurable inputs, encryption at every level and powerful, cloud-based management to enable secure, dynamic access control for any facility. The Smart Hub connects to expansion boards that include ports for 8 Avigilon Smart Readers, Request to Exit (REX) inputs, and Contact Sensors. It uses RS-485 wiring to connect to the Smart Readers and is powered by a built-in 12/24VDC power supply.

CLOUDSYNC OFFLINE FUNCTIONALITY

CloudSync is our offline-first technology, which allows the system to operate even if your internet connection goes down.

PREMIUM HARDWARE FOR BEST PERFORMANCE

The Smart Hub features a future-proof Access Control Core that securely makes all entry decisions. It features a 12/24VDC power supply and expansion boards.

EASY MANAGEMENT WITH SMART MONITORING

Network and device monitoring systems built in to ensure a smooth experience for our users, with remote diagnostic and troubleshooting capabilities to resolve any issues with ease.

100% REMOTE CLOUD MANAGEMENT

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

HASSLE-FREE INSTALLATION

Plug-and-play design allows for easy expansion, customization and mounting, with interoperability to integrate with physical on-premise systems and logical software-based systems.

LIFETIME WARRANTY

Take advantage of the peace of mind knowing that Avigilon stands behind its access control hardware with a lifetime warranty, guaranteeing the ultimate quality for your security solution.

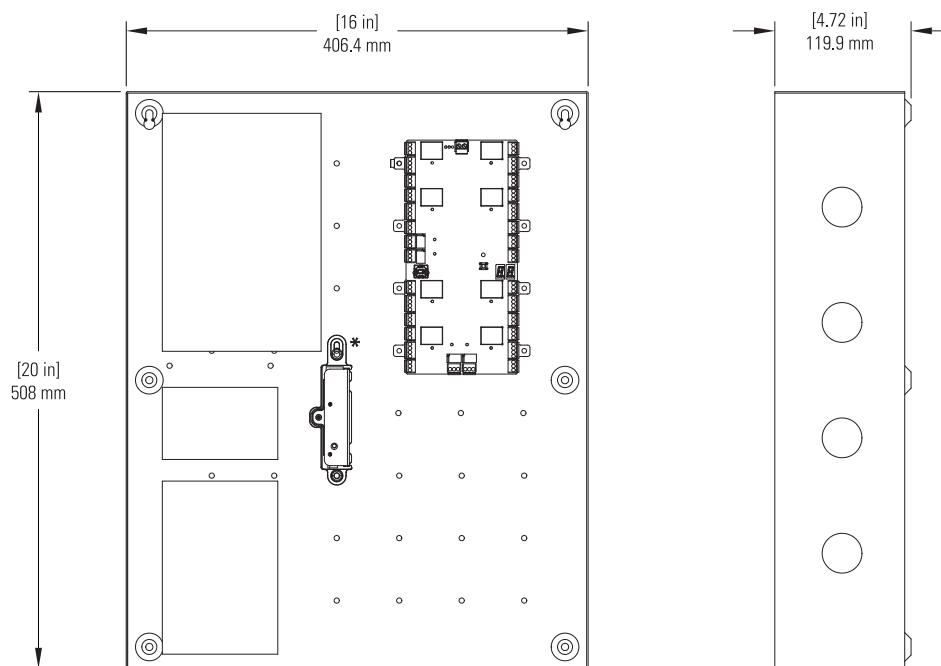For more information, visit avigilon.com/access-control/12-24v-8-door-core-series-smart-hub.

MOTOROLA SOLUTIONS

SPECIFICATIONS

SYSTEM

Access Control	Up to 8 Avigilon Smart Readers
Door Relays	8 relays, 5A @ 24VDC (resistive)
Auxiliary Relays	4 relays, 1A @ 24VDC 4 auxiliary relays and 4 configurable auxiliary I/O pins provide extra inputs and outputs, and allow additional sensors or Wiegand devices
Avigilon Readers	Up to 8 Avigilon Smart Readers Uses industry standard RS-485 signaling to communicate with Avigilon readers over standard wiring
Communication Ports	10/100/1000 baseT Ethernet; USB port
REX and Contact Sensors	8 REX and 8 contact sensor inputs with EOL monitoring, nominal 5VDC, 1kohm to each input
Auxiliary I/O	4 input/output lines with EOL monitoring
Power Supply	Up to 4A@12V and 2A@24V available for locking hardware
Backup Battery	Use two 12VDC sealed lead acid (SLA) or gel cell batteries in series (not included)

MECHANICAL

Dimensions	 [16 in] 406.4 mm [4.72 in] 119.9 mm [20 in] 508 mm * Use of mounting bracket is optional
Weight	Approx. 10 lbs (4.5 kg)
Power Supply	LifeSafety Power® E2 enclosure pre-installed with 24V FPV6 Power Supply, C8 Power Control Module, and B100 Secondary Voltage Module
Wiring	Uses RS-485 wiring to connect to the Avigilon Smart Readers EOL monitoring with single or double termination on all REX, Contact, and Auxiliary inputs supported with user-installed 1k resistors

ELECTRICAL

Operating Voltage	120VAC, 208/230VAC with cuttable jumper
Operating Current	3.7Amps max.

ENVIRONMENTAL

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

CERTIFICATIONS

CE, IC, FCC, RCM, UL294

ORDERING INFORMATION

PART NUMBER	DESCRIPTION
SYS-8ENT-DVE2	12/24V 8-Door Core Series Smart Hub - E2 Enclosure Shipped separately: Avigilon Access Control Core (OP-CR-ACC), Avigilon 8-Port Board (OP-EX-8E)

SUPPORT

For more information, visit avigilon.com or sales@avigilon.com for product support.