ACS5000-DB Expansion Board



The ACS5000-DB dual reader expansion board provides two additional Wiegand reader inputs to the Brivo ACS5000 series control panels. Each reader node (input) provides (1) form C (SPDT) output relay for lock power switching, (1) dedicated request to exit input, (1) dedicated door position switch input, (2) auxiliary inputs, and (2) auxiliary Form C (SPDT) output relays. Each input point can be programmed for input line supervision and for normally open or normally closed inputs. ACS5000-DB expansion boards

must be connected to an ACS5000-E, ACS5000-W/G, or ACS5000-S control panel to operate properly. Brivo ACS5000 series control panels support any combination of ACS5000-I/O and ACS5000-DB expansion boards up to a maximum of 14 expansion boards per ACS5000 series control panel and are connected via high speed CAN bus. To maintain UL294 compliance, the ACS5000-DB must be installed and powered by an ACS5000 series chassis.



All wiring terminations are removable

Ordering Information

- ACS5000-DB ACS5000 Dual reader expansion board
- ACS5000-EXP Expansion chassis (2 board enclosure)
- ACS5008-EXP Large expansion chassis (4 board enclosure)

Ordering Information – Associated ACS5000 Series Components

- ACS5000-E ACS5000 Ethernet ACS WebService™ control panel (Standard size chassis)
- ACS5008-E ACS5000 Ethernet ACS WebService control panel (Large chassis)
- ACS5000-W/G ACS5000 Wireless ACS WebService control panel (Standard size chassis)
- ACS5000-S ACS5000 ACS OnSite™ control panel (Standard size chassis)
- ACS5008-S ACS5000 ACS OnSite control panel (Large chassis)
- ACS5000-IO ACS5000 Input/Output expansion board

Service and Support

- Toll-free telephone and email support
- User manual, online help, and installation guide
- Professional services available for fast and seamless system implementation; options include:
 - training
 - technical support
 - conversion of legacy systems and databases
 - custom branding

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ACS5000-DB Expansion Board Specifications

Feature Description	Specification Details
Number of readers per board	2 Wiegand reader terminations
Input points (optional 4 state supervision)	2 door position points; 2 request to exit points; (4) auxiliary input points (total per board)
Output relays	Form C (SPST) 3A @24VDC – (2) lock switching; (4) auxiliary output relays (total per board)
Power consumption	12VDC @ 90mA idle / 400mA peak with all relays engaged (board only)
Communication bus wiring	CAN Bus - Use CAT5E cable up to 1500 feet
Temperature and humidity range	Operating Temp: 32° to 125° F (0° to 49° C); Humidity: Max 85% non-condensing
Compliance	UL294/ULC Listed, CE Certified
Dimensions	3.5"h x 11.5"w
Included components	(2) MOV; (1) Molex power connector cable, (5) plastic stand-off pins, and (16) 2K ohm EOL resistors

Powerful security made simple.

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