



# BRIVO ACS6000 SERIES CONTROL PANEL

The Brivo ACS6000 series hardware is our next generation of native IP control panels designed to support components of the Brivo Onair® and Brivo Onsite Server access control platforms.

## Building Blocks for Brivo Access Control Services

Brivo control panels are the supporting components of your Brivo access control platform. The ACS6000 control panels are provided in two models. The ACS6000-E is used with Brivo Onair and the ACS6000-A is used with the Brivo Onsite Server. The expansion boards are common to all control panel types. ACS6000 components are backward compatible with our ACS5000 line of control panels.

### APPLICATIONS

- IP based access control and alarms
- Supports up to 30 card readers per control panel
- Supports Brivo Onair Pass credentials (ACS6000-E only)
- Host communication via ethernet and/or Wi-Fi
- Encrypted storage and communications
- Host authentication via digital certificates
- Modular growth via expansion boards
- Supports Wiegand and OSDP compatible readers
- Supports select wireless door locks

### ORDERING INFORMATION BRIVO ONAIR

B-ACS6000-E control panel (includes two-board chassis, main board, power supply board, battery and transformer)  
B-ACS6008-E control panel (includes four-board chassis, main board, power supply board, battery and transformer)

### ORDERING INFORMATION BRIVO ONSITE SERVER


B-ACS6000-A control panel (includes two-board chassis, main board, power supply board, battery and transformer)  
B-ACS6008-A control panel (includes four-board chassis, main board, power supply board, battery and transformer)

### ORDERING INFORMATION – ASSOCIATED COMPONENTS

B-ACS6000-MBE – Two reader main board for Brivo Onair  
B-ACS6000-MBA – Two reader main board for Brivo Onsite Server  
B-ACS6000-DB – Door expansion board  
B-ACS6000-IO – Input/output expansion board  
B-ACS6000-EXP – Expansion chassis (2 board capacity with power supply)  
B-ACS6008-EXP – Large expansion chassis (4 board capacity with power supply)  
B-ACS6000-PSB – Power supply board



# ACS6000 CONTROL PANEL SPECIFICATIONS

	ACS6000-E	ACS6000-A	ACS6000-DB	ACS6000-I/O
Total number of credentials	Unlimited credentials per panel when online connected to Brivo Onair. Up to 250,000 credentials per panel while offline.	Up to 500,000 credentials per panel while connected to Brivo Onsite Server. Up to 250,000 credentials when offline.	N/A	N/A
Maximum number of card readers	Up to 30 (with 14 expansion door boards)	Up to 30 (with 14 expansion door boards)	Up to 2 per door board	N/A
Event history	60,000 events (FIFO) offline from host	60,000 events (FIFO) offline from host	N/A	N/A
Input points	Up to 120 (with 14 expansion boards) 8 inputs per board On board; (2) door position points; (2) Request to exit points; (4) Auxiliary input points	Up to 120 (with 14 expansion boards) 8 inputs per board On board; (2) door position points; (2) Request to exit points; (4) Auxiliary input points	8 inputs per board 2 door position points; 2 request to exit points; 4 auxiliary input points	8 inputs per board Optional 4 state supervision
Output relays	Up to 118 (with 14 expansion boards) 6 outputs per board Form C (SPDT) 350mA @ 12VDC – (2) lock switching (wet) Form C (SPDT) 6A @ 28VDC (4) Auxiliary output relays (dry only)	Up to 118 (with 14 expansion boards) 6 outputs per board Form C (SPDT) 350mA @ 12VDC – (2) lock switching (wet) Form C (SPDT) 6A @ 28VDC (4) Auxiliary output relays (dry only)	6 outputs per board Form C (SPDT) 3A @ 24VDC – (2) lock switching (dry only); (4) Auxiliary output relays (dry only)	8 outputs per board Form C (SPDT) 3A @ 24VDC (8) General purpose output relays (dry only)
Maximum number of input/output and/or door board expansion boards	Up to 14 per ACS6000-E main board	Up to 14 per ACS6000-A main board	N/A	N/A
Authentication and encryption	ACS6000-E uses TLS1.2+, with AES256 encryption and SHA256 certificate with a 4096-bit key length	ACS6000-A uses TLS1.2+, with AES256 encryption and SHA256 certificate with a 4096-bit key length Supports FIPS140-2 validated encryption module with optional license per control panel	N/A	N/A
Max power consumption (board only)	12VDC @ 1.5A peak with all relays engaged	12VDC @ 1.5A peak with all relays engage	12VDC @ 500mA peak with all relays engaged	12VDC @ 90mA idle / 400mA peak with all relays engaged
Card reader inputs	2 Wiegand or RS-485 OSDP	2 Wiegand or RS-485 OSDP	2 Wiegand	N/A
ACS6000 board dimensions	5”h x 11.5”w	5”h x 11.5”w		
Board communication bus	CAN Bus – Use CAT5 (or higher) UTP cable up to 1,500 feet			
Temperature and humidity range	Operating temp: 32°F to 125°F, (0° to 49° C) Humidity; Max 85% non-condensing			
Included components	(2) MOV surge suppressors and (16) 2K ohm End-of-line resistors			
Expansion board capacity	ACS6000 – Capacity for (2) boards. Additional Chassis enclosures can be chained together via the CAN Bus to connect one controller board to up to 14 Door/IO boards. ACS6008 – Capacity for (4) boards. Additional Chassis enclosures can be chained together via the CAN Bus to connect one controller board to up to 14 Door/IO boards.			
Power supply (included)	12VDC @ 3A (Supports expansion boards and readers only) Aux output – 12VDC @ 250mA (Not to be used for lock power)			
Transformer (included)	19VDC @ 36W			
Standby batteries and cables (included)	ACS6000 – (1) 12VDC 7Ah Rechargeable ACS6008 – (2) 12VDC 7Ah Rechargeable			
Enclosure dimensions	ACS6000 – 17.283”h x 15.63”w x 3.5”d ACS6008 – 27.283”h x 15.63”w x 3.5”d			
ACS6000 enclosure details	NEMA type 1, key locks, and knockouts			
Host communications	Ethernet and/or WiFi IEEE 802.11 b/g/n			
Compliance	Access Control UL294/        Part 15 Class A Compliant    Compliant			



Call us at [866.692.7486](tel:866.692.7486) to learn more about the ACS6000 panels or to see how they work with Brivo Onair or Brivo Onsite Server.