# BRIVO ACS6100 SERIES
# CONTROL PANEL

Brivo control panels act as the interface between our cloud services and local devices.

## Control Panels Ready for Today and Future-proof for Tomorrow

Brivo ACS6100 Control Panels are key components of your Brivo access control platform. The ACS6100 Control Panels support the existing ACS6000 main boards along with the ACS6100 Door and I/O expansion boards.

## KEY FEATURES:

- Increased capacity for Door and I/O boards
- Supports:
  - Brivo Smart Readers as well as OSDP and Weigand readers
  - Remote firmware updates
  - 30 card readers per control panel
  - Brivo Mobile Pass
  - Select Brivo wireless lock integrations
- Host communication via ethernet or WiFi. Cellular options available upon request
- Host authentication via digital certificates
- IP based access control and alarms
- Modular growth via expansion boards
- Encrypted storage and communications



Brivo ACS6100L

Modern Capabilities,
Increased Capacity, and Enhanced Security

## ORDERING INFORMATION

### BRIVO ACCESS

**Brivo B-ACS6100R-E Regular Panel**
Includes regular chassis, main board, power supply board, battery, and transformer. This chassis will accommodate two additional accessory boards.

**Brivo B-ACS6100L-E Large Panel**
Includes large chassis, main board, two power supply boards, two batteries, and two transformers. This chassis will accommodate six additional accessory boards.

### ASSOCIATED COMPONENTS

| | |
|---|---|
| B-ACS6100-DB | Two-reader Door Expansion Boards |
| B-ACS6100-IO | Input/Output Expansion Boards |
| B-ACS6100-PSB | Power Supply Boards |
| B-ACS6100-ADPL | Adapter Plate for installation of B-ACS6100-DB or B-ACS6100-IO in ACS6000/6008 series cabinets. |
| B-ACS6100R-EXP | Brivo ACS6100 Regular Expansion Chassis |
| B-ACS6100L-EXP | Brivo ACS6100 Large Expansion Chassis |
| B-ACS6000-MBE | Two-reader Main Board for Brivo Access |

# ACS6100 PANEL SPECIFICATIONS

| | B-ACS6100(R/L)-E | B-ACS6100-DB | B-ACS6100-IO |
|---|---|---|---|
| Total number of credentials | Unlimited credentials per panel when online and connected to Brivo Access. Up to 250,000 credentials per panel while offline | N/A | N/A |
| Maximum number of card readers | 2 on the controller board, and up to 30 (with 14 expansion door boards) | 2 per board | N/A |
| Event history | 60,000 events (FIFO) offline from host | N/A | N/A |
| Input points | Up to 120 (with 14 expansion boards)<br><br>8 inputs per board<br><br>On board; (2) door position points; (2) Request to exit points; (4) Auxiliary input points | 8 inputs per board<br><br>2 door position points; 2 request to exit points; 4 auxiliary input points | 8 inputs per board<br><br>Optional 4 state supervision |
| Output relays | Up to 118 (with 14 expansion boards)<br><br>6 outputs per board<br><br>Form C (SPDT) 350mA @ 12VDC – (2) lock switching (wet)<br><br>Form C (SPDT) 6A @ 28VDC (4) Auxiliary output relays (dry only) | 4 outputs per board<br><br>Form C (SPDT) 3A @<br><br>28VDC – (2) lock switching (dry only); (2) Auxiliary output relays (dry only) | 8 outputs per board<br><br>Form C (SPDT) 3A @ 28VDC (8) General purpose output relays (dry only) |
| Maximum number of input/ output and/or door board expansion boards | Up to 14 per ACS6000-MBE main board | N/A | N/A |
| Authentication and encryption | ACS6000-E uses TLS1.3, with AES256 encryption and SHA256 certificate with a 4096-bit key length<br><br>OSDP support for Secure Communication Protocol (SCP) | N/A | N/A |
| Max power consumption (board only) | 12VDC @ 1.5A peak with all relays engaged | 12VDC @ 500mA peak with all relays engaged | 12VDC @ 90mA idle / 400mA peak with all relays engaged |
| Card reader inputs | 2 RS-485 OSDP or 2 Wiegand | 2 RS-485 OSDP or 2 Wiegand | N/A |
| ACS6100 accesory board dimensions | 5"h x 11.5"w | 3.5"h x 5.75"w | 3.5" x 5.75"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 52°C) Humidity; Max 85% non-condensing | | |
| Included components | (2) MOV surge suppressors and (16) 2K ohm end-of-line resistors | | |
| Expansion board capacity | ACS6100R-E – Capacity for (1) ACS6000 -controller board and (2) ACS6100 accessory boards or up to (4) ACS6100 accessory boards.<br><br>ACS6100L-E – Capacity for (1) ACS6000 controller board and (6) ACS6100 accessory boards, or up to (8) ACS6100 accessory boards.<br><br>Additional Chassis enclosures can be chained together via the CAN Bus to connect (1) controller board to up to (14) Door/IO boards. | | |
| Power supply (included) | 12VDC @ 4.2A (Supports expansion boards and readers only)   \|   Aux output – 12VDC @ 250mA (Not to be used for lock power) | | |
| Transformer (included) | ACS6100R-E - (1) 19VDC @ 50W Transformer   \|   ACS6100L-E - (2) 19VDC @ 50W Transformers | | |
| Standby batteries and cables (included) | ACS6100R-E – (1) 12VDC 14Ah Rechargeable   \|   ACS6100L-E – (2) 12VDC 14Ah Rechargeable | | |
| Enclosure dimensions | ACS6100R – 17.283"h x 15.63"w x 4.0"d   \|   ACS6100L – 27.283"h x 15.63"w x 4.0"d | | |
| ACS6100 enclosure details | NEMA type 1, key locks, and knockouts | | |
| Host communications | Ethernet and/or WiFi IEEE 802.11 b/g/n (Cellular connection is also supported with separate optional Cellular Network Module) | | |
| Compliance | Access Control UL-294  /  (MET) \| CE \| FC  Part 15 Class A Compliant   \|   ✔ RoHS Compliant | | |
| Backward compatibility | ACS6100 accessory boards work with ACS6000 and ACS5000 controller boards, but the new OSDP functionality is not supported by ACS5000. | | |

Call us at **866.692.7486** for more information.