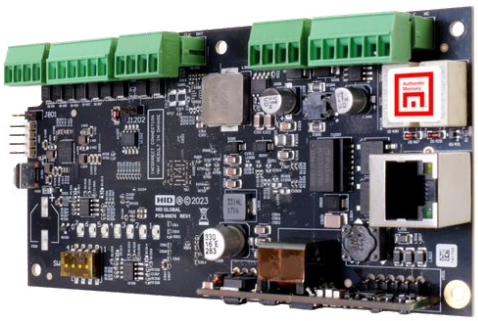
Brivo Mercury Solutions

Mercury OEM Panels provide a non-proprietary hardware solution and/or upgrade path for existing Mercury installations

Brivo Mercury Solutions consist of Brivo OEM Mercury panels and a Mercury Provisioning Tool

Brivo Mercury Solutions provide users a path to easily transition existing Mercury control panels from competitive systems, while also allowing the expansion of existing Mercury-based systems with new Brivo OEM Mercury panels.



MP1501



MP2500



MP1502 / MP4502

BRIVO OEM MERCURY PANELS

Mercury OEM Panels provide a non-proprietary hardware solution and/or upgrade path for existing Mercury installations.

- Supports all Standard Brivo Access Features
- Supports 30 doors per LP1502, LP4502, MP1502 or MP4502 Mercury control panel
- Supports 28 doors per LP2500 or MP2500 Mercury control panel
- Supports 17 doors per LP1501 or MP1501 Mercury control panel
- Supports Brivo Mobile Pass credentials via server command or HID Mobile Pass BMP Add-on
- Supports live event and device status
- Secure host communication over the internet
- Ability to upgrade outdated Mercury based access systems without additional hardware

MERCURY PROVISIONING TOOL

The Mercury Provisioning tool is a cloud-based service that easily converts outdated on-premise Mercury installations to Brivo Access.

- Supports LP1501, MP1501, LP1502, MP1502, LP2500, and MP2500*
- Easily converts a Mercury control panel to communicate with Brivo Access
- Updates control panel to Brivo OEM configuration
- Automatic firmware upgrades on conversion, if needed

* Brivo support for Mercury EP Series OEM panels is being discontinued March, 2026. Replace any EP Series controller with the MP series.

BRIVO MERCURY CONTROLLER SPECIFICATIONS

PART NUMBER	MRC-MP1501	MRC-MP1502 / MRC-MP4502	MRC-MP2500
DESCRIPTION	Single reader intelligent controller. Supports 1 door position input, 1 request to exit and 1 lock relay output. Expands to 17 doors using MRC-MR50-S3.	2 reader intelligent controller. Supports 2 door position inputs, 2 request to exit inputs and 2 lock relay outputs. Expands to 30 doors using MRC-MR52-S3 or S3B.	Intelligent controller. Expands to 28 doors using MRC-MR52-S3 or S3B.
OPERATION MODE SUPPORTED	Native Legacy = Panel will register and operate as LP. Native = Panel will register and operate as MP		
TOTAL NUMBER OF CREDENTIALS	Up to 10,000		
EVENT HISTORY	500,000 events (FIFO) offline from host		
MAXIMUM NUMBER OF READERS/DOORS	Single reader interface. Up to 17 readers with expansion boards.	2 reader interfaces. Up to 30 readers with expansion boards.	Up to 28 readers with expansion boards.
INPUTS	2 programmable general purpose (EoL). 1 dedicated unsupervised for cabinet tamper.	8 programmable general purpose (EoL). 1 dedicated unsupervised for cabinet tamper and power monitor.	2 dedicated unsupervised for cabinet tamper
OUTPUTS	2 relays: Form-C, 2A @ 30VDC, resistive	4 relays: Form C, 5A @ 30VDC	N/A
MAX # OF I/O AND/OR DOOR EXPANSION BOARDS	Up to 8	Up to 14	
AUTHENTICATION AND ENCRYPTION	TLS 1.2/1.3 or AES-256/128		
INPUT POWER	PoE (802.3af) or PoE+ (802.3at) or 12VDC +/- 10%, 1.8A maximum	12-24VDC +/- 10%, Primary - 550 mA maximum, Readers Output 600 mA, Add reader consumption to Max Input Power.	12-24VDC +/- 10%, Primary - 550 mA maximum
READER COMMUNICATION	Wiegand or OSDP (single RS-485 port used for either OSDP or downstream communications, not both)	Wiegand or OSDP	N/A
BOARD DIMENSIONS	5.5 x 2.75 x 1.0 in | 140 x 70 x 24 mm	6.0 x 8.0 x 1.0 in | 152 x 203 x 25 mm	5.0 x 6.0 x 1.0 | 127 x 152.4 x 25 mm
HOST COMMUNICATIONS	Host communications via Ethernet, IP Client to Brivo MPS		
CARD FORMATS	26-bit, 37-bit, Corporate 1000 (35 and 48-bit), Wavelynx 56-bit		

BRIVO MERCURY DOOR BOARD SPECIFICATIONS

PART NUMBER	MRC-MR50-S3	MRC-MR52-S3 or S3B
DESCRIPTION	Single reader interface module with Series 3 hardware. Supports 1 door position input, 1 request to exit input and 1 lock relay output.	2 reader interface module with Series 3 hardware. Supports 2 door position inputs, 2 request to exit inputs and 2 lock relay outputs.
READERS/DOORS SUPPORTED	1	2
READER COMMUNICATION	Wiegand or OSDP	
INPUTS	2 programmable general purpose (EoL). 1 dedicated unsupervised for cabinet tamper.	8 programmable general purpose (EoL). 2 dedicated unsupervised for cabinet tamper and power monitor.
OUTPUTS	2 Form-C RelaysRelay 1: normally open: 5A @ 30VDC resistive, normally closed: 3A @ 30VDC resistive.Relay 2: 2A @ 30VDC resistive.	6 Form-C RelaysNormally open: 5A @ 30VDC resistive.Normally closed: 3A @ 30VDC resistive
BOARD DIMENSIONS	2.75 x 4.25 x 1.0 in | 70 x 108 x 25.4 mm	6.0 x 8.0 x 1.0 in | 152mm x 203 x 25 mm
INPUT POWER	12-24VDC +/- 10%, 150mA maximum	12-24VDC +/- 10%, 550mA maximum
CONNECTIVITY	RS-485, 2-wire, 4,000' (twisted pair with shield, Belden 9841)	

BRIVO MERCURY I/O BOARD SPECIFICATIONS

PART NUMBER	MRC-MR16IN-S3B	MRC-MR16OUT-S3B
DESCRIPTION	General purpose input board for auxiliary devices and monitoring	General purpose output board for auxiliary devices or elevator control
INPUTS	16 programmabale general purpose (EoL). 2 dedicated unsupervised for tamper and power monitor.	2 dedicated unsupervised for tamper and power monitor
OUTPUTS	2 Form-C Relays: Normally open: 5A @ 30VDC resistive Normally closed: 3A @ 30VDC resistive	16 Form-C Relays: Normally open: 5A @ 30VDC resistive Normally closed: 3A @ 30VDC resistive
BOARD DIMENSIONS	6.0 x 8.0 x 1.0 in | 152 x 203 x 25 mm	
INPUT POWER	12-24 VDC +/- 10%, 350mA maximum	12-24VDC +/- 10%, 1100mA maximum
CONNECTIVITY	RS–485, 2-wire, 4,000' (twisted pair with shield, Belden 9841)	

BRIVO MERCURY BOARD GENERAL SYSTEM SPECIFICATIONS

CONNECTIVITY	Primary port: 10/100 Ethernet
ALARM MANAGEMENT / EOL	Normally open/normally closed, programmable unsupervised/supervised. End-of-line (EoL) resistors: 1k+1k ohm, 1 %, ¼ watt standard.
TEMPERATURE AND HUMIDITY RANGE	Operating: 0-70°C / Storage: -55-85°C / Humidity: 5-95%
COMPLIANCE	UL 294 Recognized, FCC Part 15 Class A, CE Compliant, RoHS (2011/65/EU & 2015/863), EU REACH (1907/2006), California Proposition 65, NIST Certified Encryption

ASSOCIATED LSP POWER SUPPLIES

PART NUMBER	LSP-DV75-M	LSP-DV150-M	LSP-DV250-M
DESCRIPTION	Dual voltage 75W integrated power supply. Supports 1 LP1502, 1 MR52 and 4 locks.LSP part no. FPO75-B100C4D8PE2M	Dual voltage 150W integrated power supply.Supports 1 LP1502 board, 3 MR52 boards and 8 locks.LSP part No. FPO150-B100C8D8PE6M	Dual voltage 250W integrated power supply. Supports 1 LP1502, 7 MR52 boards, and 16 locks. LSP part no. FPO150/250-2C82D8PE8M2

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