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- Ability to upgrade outdated Mercury based access systems without additional hardware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The Mercury Provisioning tool is a cloud-based service that easily converts outdated on-premise Mercury installations to Brivo Access.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, 2025. 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	Legacy Mode - MP Series controller will operate as an LP Series Controller		
TOTAL NUMBER OF CREDENTIALS	Unlimited credentials per panel when online and connected to Brivo Access. Up to 240,000 cardholder capacity while offline.		
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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