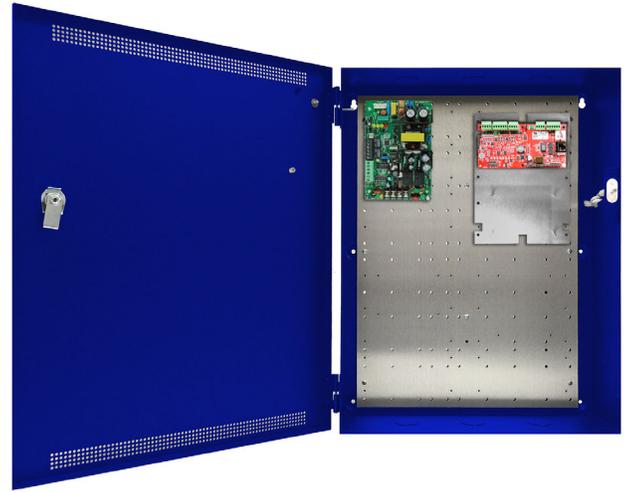# BluBØX
SECURITY RE-IMAGINED

LP1501-1R/2I/2O-E2M (752-1001)

LP1501 One Reader / Two Input / Two Output Access Control System

The LP1501-1R/2I/2O-E2M is a unified one reader, two input, two output access control system with expansion up to four doors. The kit is configured with space to add backup battery and utilizes an FPO power supply to generate 12 or 24VDC. It includes a LP1501 board, a locking four door enclosure with tamper, power supply and wiring speed kit. It is expandable to four readers with one MR50-S3 board and one MR52-S3 board. Configuration, administration and control are available through BluSKY.

System Features

FPO offline power supply
- 120 or 230 VAC input
- 12 and 24 VDC outputs
- On board Fire Alarm Interface
- Continuous and resettable DC

Distributed output module
- Four, controlled fused at 3A each
- Eight, auxiliary Class II P limited at 2.5A each

Expansion options
- Increased power, multiple voltages
- Additional distribution outputs
- Power management

Enclosure Features

Labor saving design
- Unified power and security in one enclosure
- Pre-wired power section
- Removeable backplate simplifies installs
- Speed kit is included for power and data wiring

Additional benefits
- Wire management room
- 4.5" enclosure depth fits battery set
- Tamper switch, lock, dual key set standard
- Mounting hardware for access boards included

Specifications

Input Power:
- Input 120/230VAC 50/60Hz | 100 Watts
- Overload and short circuit protection
- Over temperature protection
- Polarized AC power supply disconnect

Output Power:
- 75W Total Output Power | 12VDC/6A or 24VDC/3A
- FPO Board Outputs: Continuous (DC1), Resettable (DC2)
- 120mV Output Voltage Ripple | System Efficiency: 85% | System BTU Rating: 33 BTU/Hr

Battery Charging:
- Independent built-in 1A (FPO75) Charger for sealed lead-acid or gel type batteries
- Microprocessor dual rate charging of 12 or 24V battery sets
- Automatic switchover to standby battery when AC fails
- Zero voltage drop when switched over to battery backup

Regulatory Compliance:
- UL294, UL603, UL864, UL1076, UL1481, UL2044, UL2572, ULC S318, ULC S319, ULC S527, CSA C22.2 #107.1, FCC Part 15, CSFM Approved
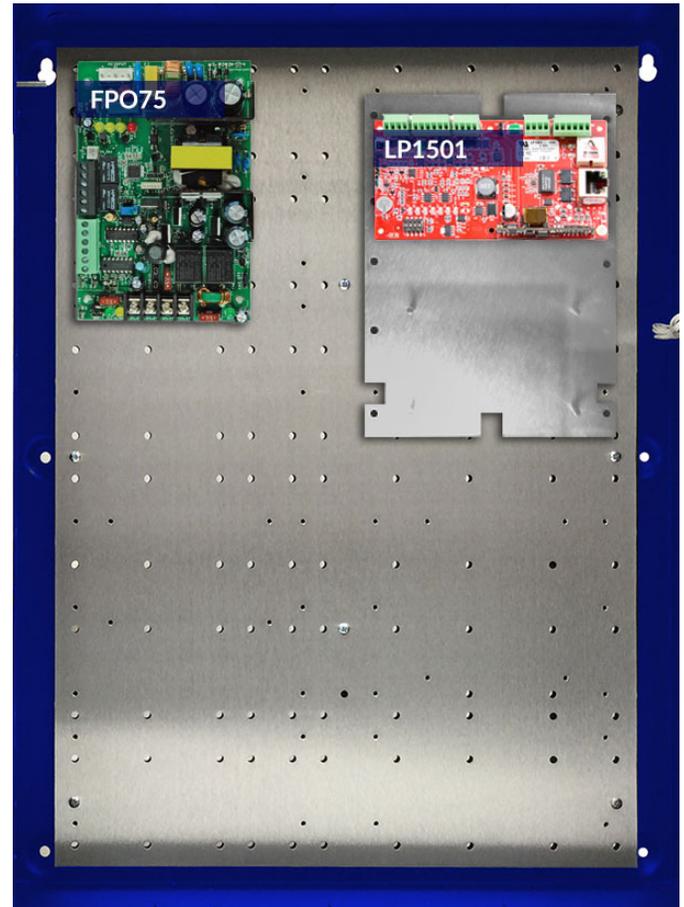
Access Panel:
- (1) LP1501
  1 Reader | 2 Inputs | 2 Outputs

Size and Weight:
- 20.00"H x 16.00"W x 4.50"D | 27 lbs.

Recommended board layout

Kit Includes

MFG Part #	BluBØX Order #	QTY	Description
LP1501	120-1001	1	One door DB controller Ethernet PoE/12V
E2M-SK-3	577-3005	1	Three board precut and harnessed power and data wiring kit power and RS485 wiring kit
LP1501-MR50	640-1400	1	LP1501-MR50 Bracket
FPO75-E2M	670-1320	1	Single voltage power supply and E2M enclosure includes enclosure

Expansion Options

MFG Part #	BluBØX Order #	QTY	Description
MR50-S3	120-2301	1	One door controller & auxiliary I/O 12/24VDC
MR52-S3	120-2501	1	Two door controller & auxiliary I/O 12/24VDC

Ordering Information

BluBØX Order #	Description
752-1001	LP1501 one reader, two input, two output access control system expandable to four doors

BluBØX Security, Inc. is a manufacturer and service provider of web-cloud based physical security products. Its BluSKY service delivers enterprise class unified access control, alarm management, video surveillance, biometrics and visitor management on any device, anywhere, any time. Its BluCHIP open hardware platform provides industry standard components and a proprietary line of fully integrated multi-factor, multi-biometric Person Readers.