



# SYMMETRY™

## MULTINODE EN-LDBU WIRELESS LOCK CONTROLLER

The Symmetry EN-LDBU controller provides distributed intelligence and allows ASSA ABLOY Aperio™ wireless locks to be fully integrated into a Symmetry Access Control System. Aperio wireless locks enable additional doors such as individual offices, meeting rooms and store-rooms to be added cost effectively to an access control system.

The distributed intelligence of the EN-LDBU ensures complete system security, resilience and reliability. The EN-LDBU supports up to 20,000 locally stored badges, and can be expanded up to 250,000 stored badges per controller as required.

System expansion is simple, as any number of EN-LDBU's and software licenses can be added to a Symmetry v7.0.1 (or later) system. Each EN-LDBU can support up to 16 locks, connected by RS-485/multi-drop to one or more Aperio 8-door hubs.

The Symmetry EN-LDBU and associated Aperio hardware support a wide variety of industry-standard card technologies and formats.

### KEY FEATURES

- Connects Aperio Wireless Locks & Hubs into a Symmetry Access Control System
- Provides a resilient distributed database
- LAN or WAN connection to Symmetry
- Integrated 10/100 Mbps Network Interface with selectable AES encryption
- Controls up to 16 doors per EN-LDBU (using up to 15 Aperio RS485 Hubs)
- Manages 20,000 downloaded credentials, with expansion up to 250,000
- Supports 125KHz proximity, iClass, MIFARE, MIFARE Plus & DESFire Aperio locks and devices
- Supports Symmetry format smartMAX MIFARE cards
- Available in board only or in an enclosure with power supply



## SPECIFICATIONS

### Management Software

- Requires Symmetry Professional or Enterprise v7.0.1 or later, with software update

### Size

- Width: 9.45 in (240mm)
- Height: 6.3 in (160mm)

### Enclosures

- Supplied as a board only product
- Fits CAB3, CAB4, RAK3, ENC3, and ENC4 enclosures, plus ENC1 with mounting plate

### Operating Environment

- 14°F to 131°F (-10°C to 55°C)
- 15% to 90% humidity, non-condensing

### Communications

- IP Network (10/100 Mbps)
- Selectable AES encryption
- Requires separate Aperio RS485 Hub(s)
- Hardwired RS232 connections and controller chains are not supported

### Storage Capacities

- 20,000 badges as standard
- Expansion modules increase capacity to 50,000, 100,000 or 250,000 credentials

## PURCHASING INFORMATION

- EN-LDBU-20K** - Board only
- EN-LDBU-20K-HSE** - Board only Homeland
- MN-EN-LDBU-ENC1/M**
  - Controller in ENC1 enclosure with transformer
- M2150-MEM-050K**
  - 50K Memory Module
  - Increases card capacity to 50,000
- M2150-MEM-100K**
  - 100K Memory Module
  - Increases card capacity to 100,000
- M2150-MEM-250K**
  - 250K Memory Module
  - Increases card capacity to 250,000
- MN-DBU-PLATE**
  - Adapter plate to mount EN-LDBU in ENC1 enclosure
- MN-EN-LDBU-ENC1**
  - Controller in ENC1 enclosure
- MN-EN-LDBU-ENC1-HSE**
  - Controller in ENC1 enclosure - Homeland

## LICENSES

- LOCK-LIC-004-V7** - Symmetry 4 Lock Licenses
- LOCK-LIC-016-V7** - Symmetry 16 Lock Licenses
- LOCK-LIC-064-V7** - Symmetry 64 Lock Licenses
- LOCK-LIC-256-V7** - Symmetry 256 Lock Licenses



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