



# SYMMETRY™

## MULTINODE M2I50 EN-DBU

### INTELLIGENT CONTROLLER

The multiNODE M2I50 EN-DBU controller provides distributed intelligence for your access control system and ensures complete system security, resilience and reliability. When combined with Symmetry security management software, the M2I50 controller range provides a seamless security management system.

The M2I50 EN-DBU offers the ultimate in flexibility and system design architecture by delivering database intelligence with connectivity to remote door controllers.

In line with the move towards fully networked access control and edge devices, the EN-DBU is provided with an on-board Network Interface Card (NIC) and new communications protocols which allow considerably faster data upload and download times than conventional access control panels. The NIC supports data security across the network by supporting encryption to the US government AES encryption standard.

Expansion of the system is simple through separate door controllers for 2, 4 and 8 doors (up to a maximum of 16 doors per EN-DBU). Using additional input and output modules and controllers the M2I50 range can be extended to manage a number of applications, including alarm monitoring.

Variants of the EN-DBU are available to manage between 20,000 natively and are expandable up to 250,000. The EN-DBU is also future proofed to allow longer card numbers and certificates to be processed in the future as they are required.

The EN-DBU and associated door controllers are compatible with Symmetry card readers using the MCLP protocol. An optional Wiegand interface module (WIM) is available for use with Wiegand card readers or almost any biometric reader. All access card technologies are supported.

#### KEY FEATURES

- Modular mix and match configuration
- Provides the distributed database for a resilient access control system
- Connects to Symmetry management software via LAN or WAN (Hardwired RS232 direct connections and controller chains are not supported)
- Integrated AES encrypted I/O 100 Mbps Network Interface Card
- Each EN-DBU can control up to 16 doors and readers using separate door controllers
- Each DBC can manage 20,000 cardholders, and this can be increased to a maximum of 250,000 using plug-in memory modules
- Fast data upload and download with onboard network interface card
- Connect smart card, proximity or legacy magstripe readers using multiNODE current loop protocol (MCLP)
- Wiegand interface available
- Failover modem interface provided



## SPECIFICATIONS

### Management Software

- Requires Symmetry Professional, Enterprise or Global v6.1 SP6 or later

### 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 with door controllers

### Operating Environment

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

### Communications

- IP Network (10/100 Mbps)
- AES encryption
- EN-DBU to door controller = 3000ft (1000m)
- Requires separate 2DC, 4DC or 8DC door controllers

### Storage Capacities

- Supports 20,000 cardholders natively and with firmware it is expandable to 250,000.

## PURCHASING INFORMATION

- M2150-EN-DBU-20K-HSE - Homeland 20,000
- M2150-EN-DBU-50K-HSE - Homeland 50,000
- M2150-EN-DBU-100K-HSE - Homeland 100,000
- M2150-EN-DBU-250K-HSE - Homeland 250,000

### NOTE:

For single door applications supporting Power over Ethernet, please see the separate EN-IDBC datasheet.

For details of the rest of the comprehensive M2150 range see the separate datasheet

Please refer to price list for part numbers for each referenced item.



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