



SPM-E

Features

- Non-Proprietary Hardware
- Distributed and Scalable Architecture
- 32 Bit Processor
- Online Flash BIOS
- 64 Bit Card Numbers and up to 15 Digit PIN
- UL Recognized
- CE Marked

Benefits

- Future Proof
- Cost Effective
- Powerful
- Field Upgradable
- Proven hardware meeting global standards
- Installed in US Government facilities

Scaleable Architecture

All DHS Digital Horizon Solutions systems are based on non-proprietary hardware. DHS provides systems that are open, flexible and scalable.

The SPM (System Processor Module) is the primary field panel in the Eclipse™ architecture.

The SPM contains the card holder database, schedules, control macros and transactions. All primary decisions concerning access control, events, alarms and control occurs at the SPM. All control functions including user defined event linkages are performed independently of the Host PC.

Based on a 32-bit microcontroller, the SPM is packed with power, performance, and flexibility. Scalable memory options make the SPM very cost effective from small to very large system applications.

The SPM supports up to 32 downstream controllers that provide interfaces for readers, inputs, outputs and biometrics.

All Eclipse™ systems are built on the industry standard Mercury Security controllers. The MSC family of controllers provide tremendous power in a flexible and scaleable architecture.

The System Processor Module (SPM) connects to the Eclipse™ user interface, stores all card holder access control data, schedules, transactions, and performs all real time control functions.

SYSTEM PROCESSOR MODULE (SPM) SPECIFICATIONS

TECHNICAL SPECIFICATIONS

| | |
|-----------------------|---|
| SPM-C: | 12VDC +/- 15%, 250mA (400mA w/ optional LAN adapter) or 12VAC +/- 15% 400mA RMS (600mA w/ optional LAN adapter) |
| SPM-S: | 12VDC +/- 15%, 350mA or 12 VAC +/- 15 400mA RMS |
| SPM-E: | 12VDC +/- 15%, 400mA (550mA w/ optional LAN adapter) or 12VAC +/- 15% 650mA RMS (800mA w/ optional LAN adapter) |
| SERIAL PORTS: | Port 1: RS-232/RS-485 Port 2: SPM-S/SPM-E (four 2-wire RS-485 channels) up to 4000' SPM-C (2-2-wire RS-485 channels) SPM-E (provides redundant communications) |
| INPUTS: | 2 Dedicated: tamper and power monitor |
| DIMENSIONS: | SPM-C: 6.0" W x 8.0" L x 1.0" H (152mm W x 203mm L x 25mm H) SPM-S/SPM-E: 6.0" W x 8.0" L x 1.0" H (152mm W x 203mm L x 25mm H) |
| ENVIRONMENTAL: | Temperature: 0-70° C operational, -55-85° C storage Humidity: 0 to 95% RHNC |

COMPATIBLE SYSTEM PROCESSOR MODULES:

Eclipse™ 700 systems: SPM-C, SPM-S, SPM-E

RELATED COMPONENTS:

SDM, DDM, ICM, OCM

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