Overview

The M3000 includes five slots for microcontroller option boards and an internal power supply with battery backup. That gives users flexibility to configure access control and alarm inputs and outputs. A sturdy, all-steel cabinet and key lock secure the components inside. Plus, a tamper-switch-protected door alerts users if the enclosure is forced open.

Standard Features

- Designed for PXNplus CPU board

- Rugged all-steel enclosure with key lock

- Removable cover with tamper switch

- Screw terminal connector plugs for error-free maintenance

- Internal power supply with battery backup

- FCC, Class A and CE compliant

- Optional micro/reader junction box that can be used to facilitate connection of door hardware

- Optional rack mounting kit

Configuration Options

The M3000 enclosure features five open slots for a flexible combination of microcontroller, reader processor and digital input/output boards. With a PXNplus CPU board installed, the M3000 can support up to 16 card readers, 80 alarm points and 64 relay outputs. It can also handle as many as seven downstream microcontrollers, with each group of eight microcontrollers supporting up to 64 card readers. And with the optional M3000 rack mounting kit, the M3000 can mount directly in a standard 19-inch EIA rack. The M3000 occupies 9U within a rack.

Easy Installation and Maintenance

The M3000 enclosure is easy to configure and maintain in the field. All boards plug into the microcontroller backplane, and the M3000 uses screw terminal connector plugs for all wire connections. That eliminates wiring errors during field maintenance, so service is fast and reliable.

M3000 Enclosure

Access Control & Alarm Monitoring
Controller for Select GE Security Systems

Specifications

Physical Dimensions	17 in (431 mm) × 15.6 in (396 mm) × 6.2 in (158 mm)
Operating Temperature Range	+35 to +122 °F (+2 to +50 °C)
Relative Humidity	5 % to 95% (non-condensing)
Thermal Air Cooling	At least 6 in (15.2 cm) of clearance is required on all four sides of the controller enclosure
Construction	Galvannealed steel
Finish	Gray powder coat textured paint
Weight	35 lbs (15.9 kg)

Power (Door Strikes Powered Separately)

Power Supply	110 or 230 VAC to 12 VDC; 6 amp power supply included 12Ah gel-cell backup battery included
Controller Power Requirements	Provided power supply meets all power requirements for this device
Power Dissipation	72 watts maximum
System Compatibility	Facility Commander® Wnx Picture Perfect™ Secure Perfect®

Expansion

Total Number of Available Slots for Reader, Input or Output Boards	5

Boards and Devices (Standard and Optional)

Power Communications Board	Included; requires 12 to 15 VDC, 3 to 6 amp power input; 6 amp supply included
2 RP Board	Maximum 4
2SRP Board	Maximum 4
8 RP Board	Maximum 2
20 Digital Input Board	Maximum 4
16 Digital Output Board	Maximum 4
16 Digital Output with Relays Board	Maximum 4
External Modem	• Optional, 110 VAC – 420173001 (not recommended) • Optional, 230 VAC – 420173002 (not recommended)
Internal Modem	Optional, PXNplus CPU only – 521247001 (recommended)
Rack Mounting Kit	Optional – 521223001

Regulatory Information

Agency Approvals	• FCC Class A • UL 294 • UL 1076 • CE

Notes
1. Battery backup provides up to four hours of microcontroller and reader operation under nominal conditions; proximity readers reduce battery life.
2. A door strike relay is included with the optional micro/reader junction box.
3. Backup power for door strikes must be supplied separately.

Ordering Information

M3PPMPP	Picture Perfect M3000 PXNplus
M3PPMSP	Facility Commander Wnx and SP Secure Perfect M3000 PXNplus
521223001	M3000 Rack Mounting Kit
450222001	Micro/Reader Junction Box (optional)

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