

Overview

The M5 enclosure from GE Security is a user-configurable enclosure for PXNplus CPU reader interfaces, input monitoring and output control boards. The M5 includes five slots for microcontroller option boards. 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. The M5 requires an external 12 VDC power supply with optional battery backup.

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
- FCC Class A, CE, UL 294, and UL 1076

Configuration Options

The M5 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 M5 can support up to 16 card readers, 80 alarm points or 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.

Easy Installation and Maintenance

The M5 enclosure is easy to configure and maintain in the field. All boards plug into the microcontroller backplane, and the M5 uses screw-terminal connector plugs for all wire connections. That eliminates wiring errors during field maintenance, so service is fast and reliable.

M5 Enclosure

Access Control & Alarm Monitoring
Controller for Select GE Security Systems



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Australia
T 61-3-9259-4700
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Europe
T 32-2-725-11-20
F 32-2-721-40-47

Latin America
T 305-593-4301
F 305-593-4300

gesecurity.com

Specifications subject to change
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Specifications

Physical Dimensions	14 in. (356 mm) x 10.5 in. (267 mm) x 6.25 in. (159 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	15 lbs. (6.8 kg)

Power (Door Strikes Powered Separately)

Power Supply	External 12 to 15 VDC, 3 to 6 amp supply; battery backup recommended External power supply purchased separately
Power Dissipation	72 watts maximum
Recommended Power Supply Rating	<ul style="list-style-type: none"> 8 reader proximity: 3 amp 8/16 reader non-proximity: 3 amp 16 reader proximity: 5 amp If installing more than two 16 DO/DOR boards in the same M5 enclosure, a 5 amp power supply is recommended

System Compatibility	Facility Commander® Wnx Picture Perfect™ v2.0 or later Secure Perfect® v6.1.1 or later
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Expansion

Total Number of Available Slots for Reader, Input or Output Boards	5
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Boards and Devices (Standard and Optional)

Power Communications Board	Included; requires 12 to 15 VDC, 3 to 6 amp power input
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
Internal Modem	Optional, PXNplus CPU only – 521247001
Rack Mounting Kit	Not Applicable

Regulatory Information

Agency Approvals	<ul style="list-style-type: none"> FCC Class A UL 294 UL 1076 CE
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Notes

A door strike relay is included with the optional micro/reader junction box. Backup power for door strikes must be supplied separately.

Ordering Information

M5PRMPP	Picture Perfect M5 PXNplus
M5PRMSP	Facility Commander Wnx and Secure Perfect M5 PXNplus
M5POMPP	Picture Perfect M5 PXNplus OEM
M5POMSP	Facility Commander Wnx and Secure Perfect M5 PXNplus OEM
450222001	Micro/Reader Junction Box (optional)

