

## Overview

The M5 enclosure from GE Security is a user-configurable enclosure for GE's PX/PXN/PXNplus CPU boards that work with Picture Perfect™ and Secure Perfect® software. 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 PX/PXN/PXNplus CPU boards
- Compatible with Picture Perfect and Secure Perfect
- Rugged all-steel enclosure with key lock
- Removable cover with tamper switch
- Screw terminal connector plugs for error-free maintenance
- FCC, Class A and CE compliant

## Configuration Options

The M5 enclosure features five open slots for a flexible combination of microcontroller, reader processor and digital input/output boards. With a PX/PXN/PXNplus CPU board installed, the M5 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.

## 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 when doing field maintenance, so service is fast and reliable.

# M5 Enclosure

for Picture Perfect and Secure Perfect  
security management systems



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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   |

### Power (Door Strikes Powered Separately)

|                                 |  |
|---------------------------------|--|
| Power Supply                    | External 12 to 15 VDC, 3 to 6 amp supply; battery backup recommended<br>External power supply purchased separately   |
| Controller Power Requirements   | 12 to 15 VDC, 3 to 6 amp   |
| Recommended Power Supply Rating | <ul style="list-style-type: none"> <li>8 reader proximity (9xx): 3 amp</li> <li>8/16 reader non-proximity: 3 amp</li> <li>16 reader proximity: 5 amp</li> </ul> If installing more than two 16 DO/DOR boards in the same M5 enclosure, a 5 amp power supply is recommended |
| Power Dissipation               | 50 watts maximum   |

### 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  |
| 2 RP Board                          | Maximum 4  |
| 2SRP Board                          | Maximum 4  |
| 8 RP Board                          | Maximum 2  |
| CK8RP 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                      | <ul style="list-style-type: none"> <li>Optional, 110 VAC – 420173001</li> <li>Optional, 230 VAC – 420173002</li> </ul> |
| Internal Modem                      | Optional, PXNplus CPU only – 521247001   |
| Rack Mounting Kit                   | Not Applicable   |

### Regulatory Information

|                  |  |
|------------------|--|
| Agency Approvals | <ul style="list-style-type: none"> <li>FCC Class A</li> <li>UL 29416</li> <li>UL 1076</li> <li>CE</li> </ul> |
|------------------|--|

### Notes

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

## Ordering Information

|         |  |
|---------|--|
| M5PRMPP | Picture Perfect M5 PXNplus                     |
| M5PRMSP | Secure Perfect M5 PXNplus                      |
| M05RDPP | Picture Perfect M5 PX, direct and dial-up      |
| M05RDSP | Secure Perfect M5 PX, direct and dial-up       |
| M05RLPP | Picture Perfect M5 PXN, 10/100 MB Ethernet     |
| M05RLSP | Secure Perfect M5 PXN, 10/100 MB Ethernet      |
| M5POMPP | Picture Perfect M5 PXNplus OEM                 |
| M5POMSP | Secure Perfect M5 PXNplus OEM                  |
| M05ODPP | Picture Perfect M5 PX OEM, direct and dial-up  |
| M05ODSP | Secure Perfect M5 PX OEM, direct and dial-up   |
| M05OLPP | Picture Perfect M5 PXN OEM, 10/100 MB Ethernet |
| M05OLSP | Secure Perfect M5 PXN OEM, 10/100 MB Ethernet  |

