



Micro/PXN-2000

Network Microcontroller

Overview

The Micro/PXN-2000 combines the most popular options from the GE Micro/5 product family into an integrated and self-contained access control and alarm-monitoring panel. The Micro/PXN-2000 is the economical choice when the Micro/5 configuration flexibility is not required.

The Micro/PXN-2000 can co-exist in combination with Micro/5-PX or Micro/PX-2000 in both Secure Perfect® and Picture Perfect® systems. System computer to first microcontroller communication is Ethernet, while microcontroller to microcontroller communication is RS422.

Microcontroller Configuration

The Micro/PXN-2000 has 4 reader ports, 10 supervised digital input and 8 relayed digital output points. A circuit breaker-protected 110VAC or 230VAC-transformer supplies power. The Micro/PXN-2000 includes a battery back-up power supply and gell-cell battery. The all-steel enclosure, with a key-lock and tamper switch protected door, houses the microelectronics, the back-up power battery and optional modem.

Microcontroller Addressing

The microcontroller address can be set with either four rotary decimal address switches or with FlashTool. FlashTool is used to set up the dial operation phone number.

PCMCIA Communication Cards

The use of standard PCMCIA communication cards from the most recognized companies in data communications assures compatibility with established networks.

Dial-Back Communications

The optional dial-back modem will automatically establish communication with the host should the network connection be lost. If neither communication path is available, the Micro/PXN-2000 will continue to make access control decisions, and buffer events and alarms.



Standard Features

- Simple "single-box" installation
- Descriptive overlay identifies wiring points
- Integral battery backup power supply
- Supports four F/2F or Supervised F/2F readers
- Ten supervised alarm inputs and form C relay outputs
- Field wiring plugs for error-free maintenance
- Combines with both Micro/5-PX and Micro/PX-2000 microcontrollers
- Compatible with Secure Perfect and Picture Perfect
- FCC Class A and CE compliant, UL294, UL1076
- Works with the optional Micro/Reader Junction Box
- Optional modem mounts inside the enclosure

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Specifications

Dimensions	356 mm x 356 mm x 84 mm
Operating temperature	2 to 50°C
Relative humidity	5 to 95% non-condensing
AC transformer (included)	110 or 230 VAC to 16 VAC, 75 VA, circuit breaker protected
Microcontroller back-up power	Battery, gel-cell, 7Ah
Communication	Host to microcontroller, Ethernet
	Microcontroller to microcontroller, RS-422, 610 m
	Dial-back, 9600 baud maximum (optional)
Power dissipation	<50 W
Reader protocol	F/2F & Supervised F2/F, 12VDC
	Supports Wiegand using WIU-2 or WIU-4
Modem	Internal optional, field installed, backed-up power from microcontroller
Digital inputs	Supervised and unsupervised
Digital outputs	Relays, Form C, 2A @ 40VDC or 30VAC
Storage Capacities	
Secure Perfect badge capacity	128,000
Secure Perfect editions - Gen. history	16,000
Picture Perfect badge capacity	196,000
Picture Perfect - Alarm history	2,000
Picture Perfect - Badge history	5,000
Certifications	FCC Class A & CE, UL294, UL1076

Ordering Information

Part No.	Description
430187001	Wiegand Interface Unit—Two State (WIU-2) Card
PM812	Boxed power supply, 12VDC 2A
PM814	Boxed power supply, 12VDC 4A
PM832	Boxed power supply, 24VDC 2A
PM835	Boxed power supply, 24VDC 5A

Flash Memory

The Micro/PXN-2000 additionally incorporates "FLASH" memory technology that provides the ability to receive its operating system and application remotely from the host system over the already established communications path. This allows future firmware upgrades centrally from the host system without requiring costly service trips to each location for firmware replacement. Both the modular design and the "FLASH" memory technology of the Micro/5 provide a simple migration path when considering future host system upgrades.

Pluggable Connectors

Screw terminal connector plugs for all wire connections eliminate field maintenance wiring errors, making field service fast and reliable.

Flexible Configuration

Up to seven microcontrollers can be downstream from a head-end Micro/PXN-2000.

System Software

Picture Perfect ver. 1.7 or Secure Perfect ver. 3.x or later.



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