Micro/5-PX
Microcontroller

SECURITY MANAGEMENT SYSTEMS
The Micro/5 is a user configurable microcontroller for use with the full line of CASI access control and alarm management software. The Micro/5 provides distributed processing for the interface of access control readers, keypads, alarm inputs and outputs back to a host system computer. CASI’s distributed processing allows each Micro/5 microcontroller to operate independent of the host system computer with the majority of access control and alarm monitoring decisions made locally at the microcontroller. The Micro/5 provides instant response for door control and alarm sensing in the field, while leaving the host system computer with more processing power for quickly executing daily operations such as alarm response, database updates and reporting.

FIELD CONFIGURABLE
The Micro/5-PX has five card file slots for microcontroller options. All options plug into the microcontroller backplane making field configuration and maintenance easy and economical.

Up to 16 CASI supervised readers, 80 supervised alarm points or 64 relay outputs can be configured into a Micro/5-PX. Note: SP Editions version 3.x supports 16 badge readers per microcontroller, the same as Picture Perfect™.

FLASH MEMORY
The Micro/5 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.

FLEXIBLE CONFIGURATION
Up to seven micros can be downstream from a head-end Micro/5-PX direct connect or dial-up. Each group of eight micros will support up to 64 badge readers.

FEATURES
• Plug-in options make microcontroller maintenance and reconfiguration quick and easy
• All site microcontrollers are kept up to date by downloading revised software to the microcontroller’s Flash Memory from the host system console
• Compatible with SP Editions and Picture Perfect
• The Micro/5-PX is CE, UL-294 and UL-1076 compliant

CONFIGURATION INFORMATION
• Picture Perfect version 1.5 or higher is required in order to configure another microcontroller downstream from a Micro/5-PX dial-up
• SP Editions version 3.x or higher is required when configured with a Micro/5-PX
PRODUCT CONTENT
The standard Micro/5-PX includes an all-steel cabinet with key lock and tamper-switch-protected door. The microcontroller is available without a cabinet when installation into an existing equipment cabinet is required.

NOTES
- Picture Perfect: The Micro/5-PX Flash Memory can not be updated from the system server if a Micro/4 is upstream from the Micro/5-PX.
- Picture Perfect: Micro/2s, Micro/4s, Micro/5-Ps and Micro/5-PXs can be configured downstream from both direct connect and dial-up microcontrollers.
- Picture Perfect: Bi-directional communication from the end-of-line Micro/5-PX to the system server ensures all microcontrollers maintain a communication path to the system server should the line of microcontroller’s communication path be broken. The shift to bi-directional communication is automatic. Bi-directional communication is not available with SP Editions.
- SP Editions: A server-connected Micro/5-PX supports both direct connect and dial-up operation.
- Micro/5-PX will store 28,000 Badge IDs with SP Editions. With Picture Perfect, storage increases to 196,000 Badge IDs.

CUSTOMER SUPPORT
GE Interlogix and its CASI Business Partner Network offer a full range of support services including site surveys, installation supervision and training. Emergency support is available 24 hours a day, seven days a week.

FOR MORE INFORMATION
Please contact the authorized CASI Business Partner listed below to see how the Micro/5-PX can meet your specific requirements.

Micro/5-PX
Microcontroller

SPECIFICATIONS
| Dimensions | 14” X 10.5” X 6.25” (356mm X 267mm X 159mm) |
| Operating Environment | +35°F to +122°F (+2°C to +50°C) |
| Humidity 5% to 95% non-condensing |
| Power | 12VDC to 15VDC, 3 Amp to 5 Amp |
| Back-up Power | Recommended |

Communication
- Host to Microcontroller, RS-232, 100 ft.
- Host to Microcontroller, RS-232 to RS-422 converter, 1,000 ft.
- Microcontroller to Microcontroller, RS-422, 1,000 ft.
- Dial-Up

Modem, External
Optional, field installed

Power Dissipation
Will not exceed 50 watts

Agency Approvals
FCC Class A, UL1076, UL294, CE

EXPANSION OPTIONS
5 slots available (see note)

2 Reader Processor Board (2RP) 4 maximum
2 Supervised Reader Processor Board (2SRP) 4 maximum
8 Reader Processor Board (8RP) 2 maximum
20 Digital Input Board (20DI) Supervision resistors included 4 maximum
16 Digital Output Board (16DO) 4 maximum
16 Digital Output Relay Board (16DOR) 4 maximum

STORAGE CAPACITIES
SP Editions Badge Capacity 28,000
Picture Perfect Badge Capacity 196,000
Picture Perfect-Alarm History 2,000
Picture Perfect-Badge History 5,000
SP Editions-General History 16,000

POWER REQUIREMENTS
Door strikes powered separately
3 Amp 5 reader, all technologies
3 Amp 16 reader, non-proximity
5 Amp 16 reader, 9XX proximity
5 Amp 2 ea. 16 DO or DOR per M/5-PX

PART NUMBERS
Standard No Cabinet
Micro/5-PX 520369001 520369002

Note: Contact your CASI Sales Representative for information on configuration restrictions.