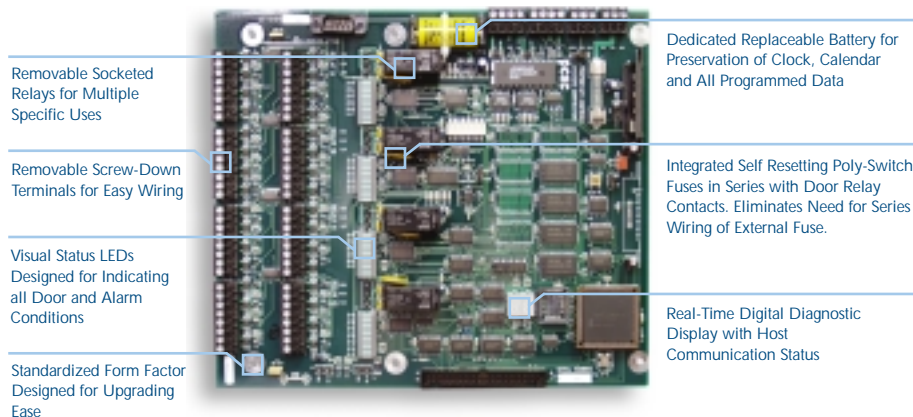


SIM Series

Thirty-Three Programmable Supervised Input Points



The **SIM** (Supervised Input Module) series controllers are designed for projects requiring high populations of sense inputs. Unlike the IQ series controllers with reader capacities as the main design, the SIM's strengths are in sense inputs. With PCSC's "upgrade" architecture, modular expansion capabilities are available for additional card readers, inputs, outputs and communication requirements to provide flexible configuration architecture for your security requirements.

Utilizing analog to digital (A/D) technology, sense input monitoring is dynamically enhanced to provide the most accurate high security monitoring in the industry. Individual input monitoring can be performed with either digital signal processing or PCSC's 5 state alarm monitoring. Input latching is also provided for a more sophisticated security environment.

Capacities

- 33 Supervised / Digital Inputs
- 1 Supervised Tamper
- 4 Form C Relay Outputs
- 4,000 History Transactions
- 366 Holidays (Leap Year)
- 1 Year Battery Backed Clock Calendar and Memory
- 4 or 8 Reader Configurations
- 8,000 to 24,000 Cardholders
- 16 site codes
- 4 Authorization Groups per Cardholder
- 64 Time Periods with 7 Segments Per Period
- Optional Universal Power Supply (90-250 VAC)

Features

- Legacy Upgrade Capable
- 100% Distributed Intelligence
- Open Architecture
- Handicapped Access
- Automatic Card Deactivation by Date
- Card Action
- Supervised REX monitoring
- User Specified Supervised or Digital Sense Input Definition
- High Security 5 State Alarm Supervision
- Dynamic Input to Output Linking
- User Programmable Input/Output Logic
- Supervisory Access Authorization Logic
- Two Person Minimum Occupancy Rule (TPMOR)
- 3 State Anti-Passback
- Supervised Readers
- Electronic Firmware Updates (Flash Memory)
- Real-time Diagnostics
- AC Power Fail Indication
- DC Power Low Indication
- UL 294, 1076, AUSTEL and CE Listed



Reader Technologies Supported

- Proximity
- Magnetic Stripe
- Biometric
- Smart Card
- Keypad

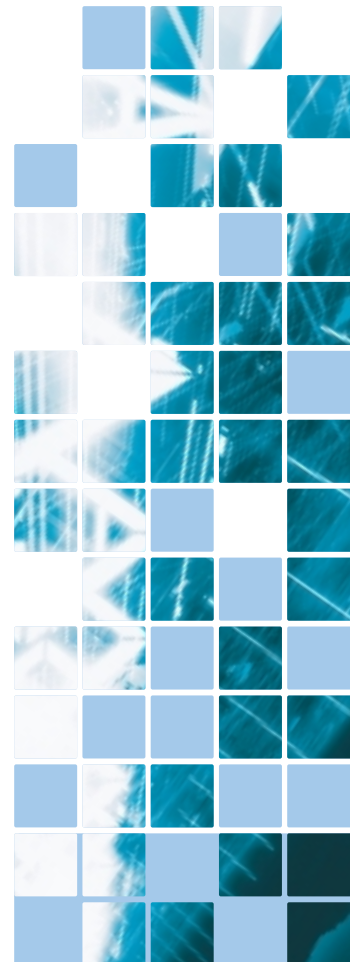
Communications Supported

- RS485 or RS232
- Wireless
- Optional 10/100 TCP/IP Ethernet
- Dial-up Modem
- Fiber Optics

Commitment to Excellence

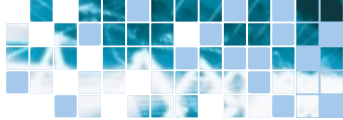
All PCSC products allow full forward and backward compatibility. Intermixing is also capable with the Ultimate™ Series, IQ™ Series and SIM™ Series controllers. In addition, all products are backed by our commitment for complete customer satisfaction.

SUPERVISED INPUT MODULE CONTROLLER



LOGICAL
INTELLIGENT
NETWORK
CONTROLLERS

PCSC



SIM Series

Each system configuration provides 100% Distributed Intelligence (DI). PCSC's DI guarantees complete integrity of the security features even during a loss of communication to the host. All pertinent data necessary to make card access decisions and input/output decisions are stored in the controller and saved in the battery backed up memory for over one year. Additional features provide user applications for simple to high security environments. Basic card authorization is based on reader, time of day, day of week and holiday control. User activation can enable secondary or affiliation group authentication logics. Increased security features include Escort Required, Two Person Minimum Occupancy, Supervisory Control and 5 State Supervised Alarm Monitoring.

Optional Upgrades	Model#
Onboard TCP/IP Connection	LANU
Cardholder Capacity up to 50,000	X
Universal Power Supply with Charger	P3 or P6
24 VDC Input (12 VDC Standard)	24
Enclosure	M or L
Rear Panel	R

Specifications

Relay Rating: Form C 2.5 Amps @24 VDC

Environmental: 32° - 115°F (0° - 46°C)

Humidity: 0 - 98% Non-Condensing

Enclosure Dimensions

16 AWG CRS enclosure with Tamper, Lock, and Key

Medium: 18"h x 11.5"w x 6" d (45.7 cm x 29.2 cm x 15.2 cm)

Large: 21.6"h x 16.1"w x 5.7"d (55.4 cm x 40.9 cm x 14.5 cm)

Cabling Requirements

Host-to-Controller: 4 conductors

Maximum Total Distance 4,000 ft. (1,219 m)

Controller-to-Controller: 4 Conductors

Maximum Total Distance 4,000 ft. (1,219 m)

Controller-to-Door:

Reader: 6 Conductors

Maximum 500 ft. (152 m) or 2,000 ft. (609 m)

Door Strike: 2 Conductors

Maximum 2,000 ft. (609 m)

Door Status: 2 Conductors

Maximum 2,000 ft. (609 m)

REX: 2 Conductors

Maximum 2,000 ft. (609 m)

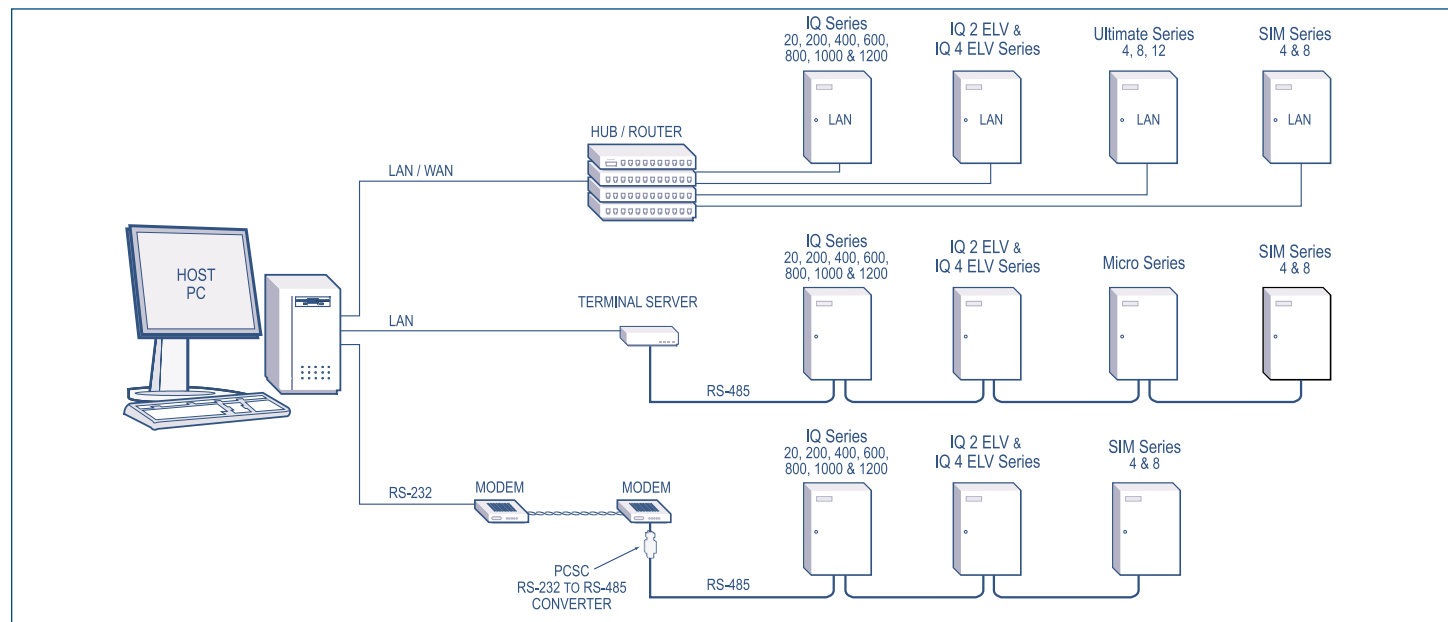
Controller-to-Input-Point: 2 Conductors

Maximum 2,000 ft. (609 m)

Upgrade Modules

	5 State Supervised Inputs	Dry Contact Inputs	Form C Relay Outputs	Max Power Amps @12VDC
ALM	N/A	16	N/A	90mA
OUT	N/A	16	16	510mA
LANU	TCP/IP Communication			60mA

	Optional TCP/IP Comm. (LANU)	Supervised Inputs	Reader Ports	Door Lock Relay	Door Status Supervised Input	Request To Exit Supervised	Supervised Readers	Relay Outputs	Voltage Outputs	Enclosure Tamper	Upgrade Capable	Max Power Amps @12VDC
SIM	YES	32	N/A	N/A	N/A	N/A	N/A	4	N/A	1	YES	390mA
SIM400	YES	32	4	4	4	4	4	8	4	1	YES	1040mA
SIM800	YES	32	8	8	8	8	8	12	8	1	YES	1690mA



SIM-0905