

Leadership Since 1983

PCSC, dedicated to strategically developing and re-evaluating itself to provide the best products and services in a rapidly changing industry. We're becoming a different company: refining what we do great, searching for new ways to improve ourselves – all in an effort to serve you better. That's what has made PCSC a leader in the security management industry since 1983.



IQ Series
Controller

Ordering Information

IQ200™

Controller

IQ200	Controller
IQ200DC	Controller with 2.5 amp DC power supply

IQ600™

Controller

IQ600	Controller
IQ600DC	Controller with 6 amp DC power supply

IQ1000™

Controller

IQ1000	Controller
IQ1000DC	Controller with 6 amp DC power supply

Upgrades

Cardholder 20,000
History upgrade to 4,000
8 supervised inputs – SAM
16 supervised inputs – SAM2
16 inputs and outputs – OUT

Accessories

Power Supply with Battery Backup
Dial-up Modem
TCP/IP Interface

IQ Series
Controller



- *IQ200™ – 2 reader ports*
- *IQ600™ – 6 reader ports*
- *IQ1000™ – 10 reader ports*

- *Digital Signal Processing*

- *Optical Isolated RS232, RS485, dial-up and optional ethernet communications*

- *Flash Memory*

- *Serial Printer Port*

- *Compatible with existing LiNC-NET®, TIP and MicroLPM® series products*

- *UL294 & 1076 listed AUSTEL approved and CE marked*

The IQ™ Series Controller is an intelligent access controller from the technology leaders at PCSC.

The two door IQ200™ is the first of its generation to be introduced to the access control market. The ten door IQ1000™ and 6 door IQ600™ are the next generation of this “intelligent” modules in the IQ™ family of products. Included in these low cost controllers are a 16 bit CPU, Flash Memory technology and Analog to Digital (A/D) monitoring inputs. The IQ200™ breaks new ground by combining high-end capabilities in an economical package.

Digital Signal Processing(DSP)

PCSC's analog-to-digital inputs open a whole new world of secured monitoring possibilities. Separate monitoring systems are not necessary with the PCSC network. The DSP inputs offer the most accurate alarm monitoring available, no false alarms.

Communications

RS485 multi-point communications technology is incorporated in the IQ™ Series controllers. This has been proven superior to the commonly used current loop or RS232 communication methods. The optically isolated RS485 ensures the highest level of communication integrity in all installation situations. In addition dial up communication is a standard feature. For LAN/WAN integration an interface to TCP/IP is provided.

Integration

Integrate the IQ™ Series controllers into your existing PCSC LiNC-NET® System; it will also co-exist with any of the MicroLPM® series products. Your existing investment is protected with PCSC.

Flash Memory

With the IQ™ Series controllers, firmware updates are accessible via the Internet – you simply download directly to your LiNC-NET® workstation and subsequently to the IQ™. Before now, a trained technician visited your site and manually replaced each controller's firmware when a problem arose or new technology became available. PCSC's innovation saves you time, money and a high level of security.

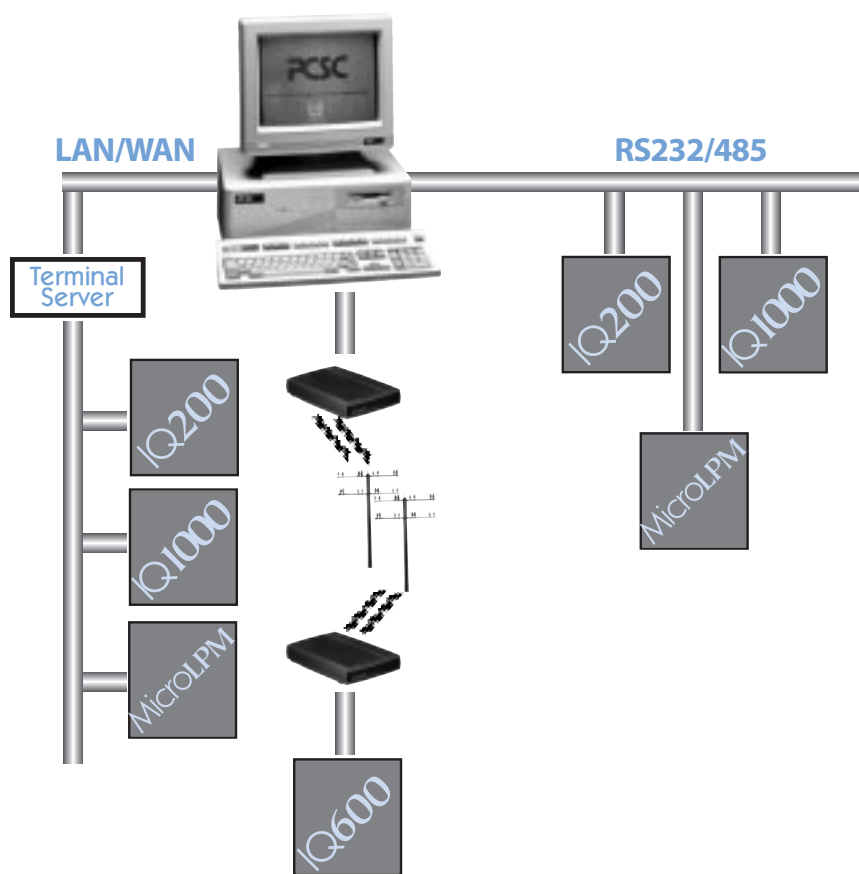
Our Promise To You

All PCSC products are backed by our commitment to complete customer satisfaction: rapid response to your concerns, commitment to technological leadership and people who care about your satisfaction. The product you purchase today will have the capabilities to be upgraded.

It's just how we do business – around the world.



IQ Series Configurations



General Specifications

CPU	Intel 16Bit Processor
Power	12VDC or 24VDC (optional)
Draw	Min .5 amp @ 12VDC to Max 3 amp
Temperature	32°F to 115°F (0°C to 46°C)
Clock Calendar	battery protected
Flash Memory	128K (up to 256K)
RAM	128K (up to 512K) battery protected
Cardholder Capacity	8K - Expansion - 20K plus
History Transactions	500 Expansion - 4K
Authorization Groups	999
Time Periods	64
Holiday List Duration	365 days
LED Status Indicators	power, alarm,
Two 7 segment LEDs	Error codes,
Status Indicators	communication data, on-line diagnostics

Communications

RS485 or RS232	standard optically isolated
Dial-Up	standard
Ethernet	optional

Wire Requirements

Power	2 conductor 18AWG (TW/STR/SH) (up to 500 feet/ 152 meters)
Reader Ports	5 conductor wiegand = 500' 22AWG (TW/STR/SH) 4 conductor PCSC = 2,000' 22AWG (TW/STR/SH)
Inputs	2 conductor 22AWG (TW/STR/SH) (2,000 ft/609 meters)
Outputs	2 conductor 18AWG (TW/STR/SH) (2,000 ft/609 meters)
RS485	4 conductor 22AWG (TW/STR/SH) (maximum 4,000 ft/1,219 meters)
RS232	4 conductor 22AWG (TW/STR/SH) (up to 25 ft/ 8 meters)

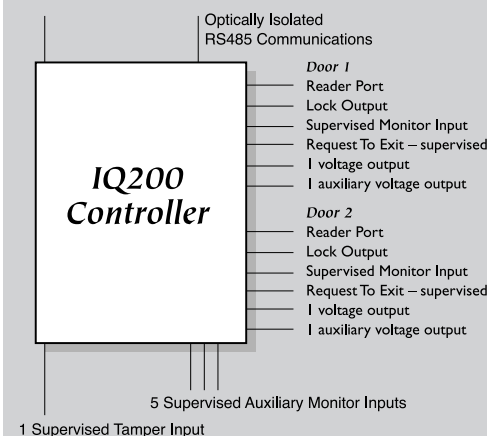
IQ200™ IQ600™ IQ1000™



Additional Specifications

Dimensions	18"H x 11.5"W x 6"D (45.7cm x 29.2cm x 15.2cm)
Weight	11lbs. (4.98kg)
Lock Output	2 Form C (2.5 amps @ 24V)
Voltage Output	2 (or 2 ext.shunts)
Reader Port	2, Wiegand or PCSC type, supervised
Door Position	2, supervised (DSP)
Request To Exit	2, supervised (DSP)
Auxiliary Input	5, supervised (DSP)
Tamper Input	1, supervised (DSP)
Auxiliary Output	2 voltage outputs

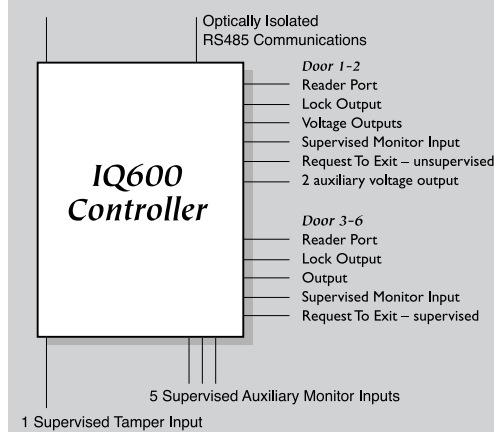
12 or 24 volt DC Power



Additional Specifications

Dimensions	21.8"H x 16.1"W x 5.7"D (55.4cm x 40.9cm x 14.5cm)
Weight	38lbs. (17.2kg)
Lock Output	6 Form C (2.5 amps @ 24V)
Voltage Output	6 (or 6 ext.shunts)
Reader Port	6, Wiegand or PCSC type, supervised
Door Position	6, supervised (DSP)
Request To Exit	2, supervised (DSP) 4, dry contact
Auxiliary Input	5, supervised (DSP)
Tamper Input	1, supervised (DSP)
Auxiliary Output	2 voltage outputs

12 or 24 volt DC Power



Additional Specifications

Dimensions	21.8"H x 16.1"W x 5.7"D (55.4cm x 40.9cm x 14.5cm)
Weight	38lbs. (17.2kg)
Lock Output	10 removable Form C (2.5 amps @ 24V)
Voltage Output	10 (or 10 ext.shunts)
Reader Port	10, Wiegand or PCSC type, supervised
Door Position	10, supervised (DSP)
Request To Exit	2, supervised (DSP) 8, dry contact
Auxiliary Input	5, supervised (DSP)
Tamper Input	1, supervised (DSP)
Auxiliary Output	2 voltage outputs

12 or 24 volt DC Power

