

PCSC

Intelligent Security

Access Control

iQ Pro

iQ Pro Controller

The latest in multi-configurable access controllers are PCSC's iQ Pro Series. A benchmark for access control, input and output control monitoring. System configuration begins with either a two door controller (IQ2Pro) or a four door controller (IQ4Pro). Each controller can be expanded in 4 reader increments, up to 10 or 12 readers. Modular field upgradable, with add-on readers, inputs and outputs are engineered into the iQ Pro Series design enabling you to dynamically configure a custom security system with standard off the shelf components.

Each system configuration provides 100% Distributed Intelligence Architecture (DIA). PCSC's DIA 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 nonvolatile memory for 10 years. 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 controller based Escort Required, Two Person Minimum Occupancy, Supervisory Control and 5 State Supervised Alarm Monitoring.



At a Glance:

- OEM Integration Capable with SDK
- State-of-the-Art Quad Core Processor with 64 bit Architecture
- Unlimited Cardholders
- Unlimited History Transactions
- Compatible with IQ and FT Architectures
- OSDP Interface
- USB 3 and USB 2 Ports



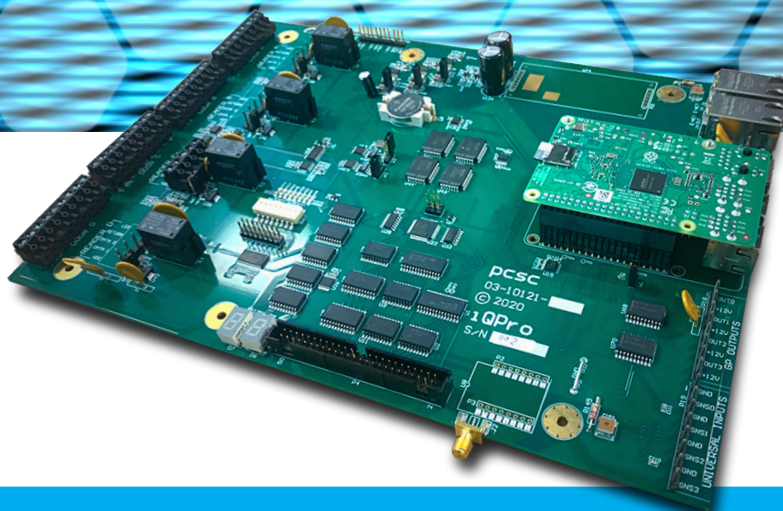
PRELIMINARY DATA SHEET All specifications and details are subject to verification and may change.

PCSC

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iQ Pro Details / Specifications

Made in the U.S.A.



Description	Details
Cardholder Capacity up to:	50,000 to Unlimited
History Capacity:	50,000 to Unlimited
Power:	12 VDC @ 300ma
Recommended Power Supply:	P6 Universal Supply
Communications:	Ethernet, PoE
Relay Rating:	Form C 2.0 Amps @24 VDC
Environmental:	32°-115° F (0° - 46° C)
Humidity:	0 - 90% 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 15.2cm)
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:	Cat 5/6, Maximum Total Distance 328 ft. (100 m)
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)

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iQ Pro Configurations & Modules

IQ Series Configurations:

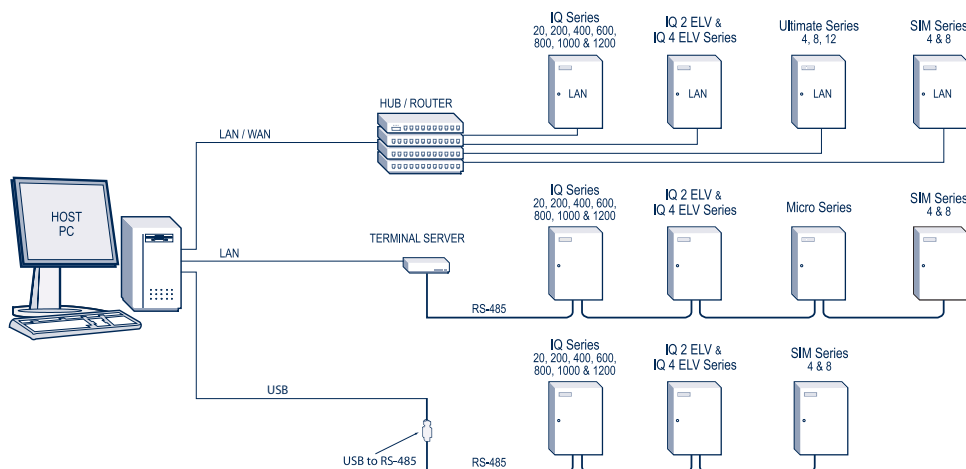
System configuration begins with either a two door controller (IQ2Pro) or a four door controller (IQ4Pro). Each controller can be expanded in 4 reader increments, up to 10 or 12 readers.

Model	TCP/IP Comm. (LAN)	Reader Ports	Door Lock Relay	Door Status Supervised Input	Supervised Request to Exit	Supervised Readers	Additional Supervised Inputs	Voltage Outputs	Enclosure Tamper	Upgrade Capable	Max Power Amps@12VDC
iQ2Pro	Yes	2	2	2	2	2	5	4	1	N/A	260mA
iQ4Pro	Yes	4	4	4	4	4	5	6	1	YES	340mA
iQ6Pro	Yes	6	6	6	6	6	5	8	1	YES	710mA
iQ8Pro	Yes	8	8	8	8	8	5	10	1	YES	690mA
iQ10Pro	Yes	10	10	10	10	10	5	12	1	YES	870mA
iQ12Pro	Yes	12	12	12	12	12	5	14	1	NO	950mA

Upgrade Modules:

PCSC Add-on boards incorporate the PCSC Upgrade BUS, a ribbon cable connector, enabling TTL level communications from IQ series controllers and modular add-on configurations. The BUS enables IQ series controllers the ability to increase capacity and functionality depending on the specific Add-on adapter.

Model	Reader Ports	Relay Output	Door Status	REX	Voltage Output	Inputs	Upgrade Capable	Power Consumption
8U	8	8	8	8	8	-	YES	610
4U	4	4	4	4	4	-	YES	430
ALM	-	-	-	-	-	16	YES	90
OUT	-	16	-	-	-	16	YES	510
SAM	-	-	-	-	-	8	YES	170



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