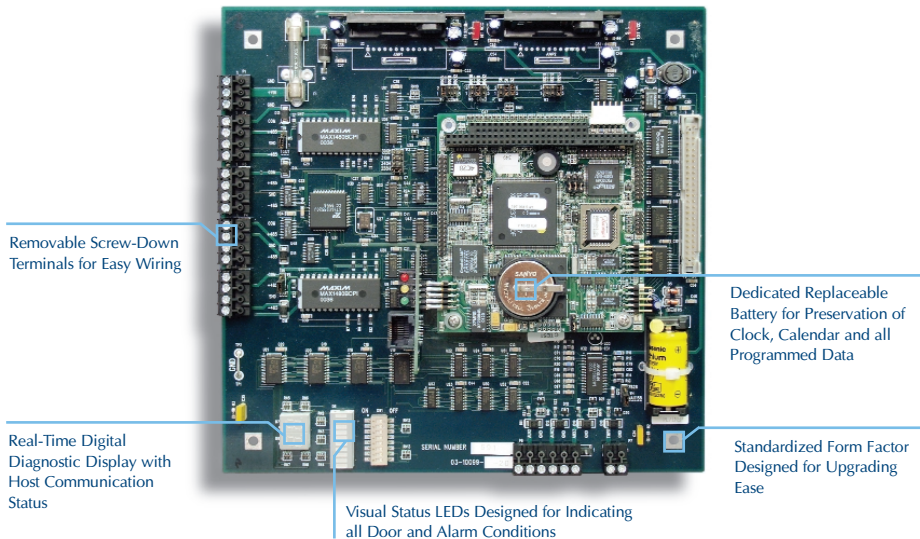


# Ultimate Series

Up to 100,000 Card Holders and 32 Bit Processing



The **Ultimate** series controllers are the fastest, most powerful controllers in the PCSC product family. They are designed to meet or even exceed the highest level of security design expectations. Each controller consists of a base CPU with on-board ethernet communication. The Ultimate series controller provides a seamless upgrade of your existing legacy systems to 32 bit power. There are over 50 user definable models that offer configuration enhancements for readers, sense inputs and outputs.

The Ultimate series provides for today's security needs as well as future solutions utilizing PCSC's "upgrade bus" with an interface to legacy components, giving you an added advantage where you may utilize your past investments.

## Capacities

- 4, 8 or 12 Reader Configurations
- 20,000 / 50,000 or 100,000 Cardholders
- 4,000 to 10,000 History Transactions
- 16 site codes
- 4 Authorization Groups per Cardholder
- 64 Time Periods with 7 Segments Per Period
- 366 Holidays (Leap Year)
- 1 Year Battery Backed Clock Calendar and Memory
- Optional Universal Power Supply (90-250 VAC)

## Features

- Direct Replacement for MicroLPM and IQ Series Controllers
- 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

- TCP/IP Ethernet

## 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 to complete customer satisfaction.

MAXIMUM  
SPEED & MEMORY  
CONTROLLER



LOGICAL  
INTELLIGENT  
NETWORK  
CONTROLLERS

PCSC

1pcsc.com/ultimate

# Ultimate 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. Users may 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
Cardholder Capacity up to 100,000	X
Universal Power Supply with Charger	P6
Enclosure	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
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
<b>Host-to-Controller:</b> 4 conductors Maximum Total Distance 4,000 ft. (1,219 m)
<b>Controller-to-Controller:</b> 4 Conductors Maximum Total Distance 4,000 ft. (1,219 m)
<b>Controller-to-Door:</b> <b>Reader:</b> 6 Conductors Maximum 500 ft. (152 m) or 2,000 ft. (609 m)
<b>Door Strike:</b> 2 Conductors Maximum 2,000 ft. (609 m)
<b>Door Status:</b> 2 Conductors Maximum 2,000 ft. (609 m)
<b>REX:</b> 2 Conductors Maximum 2,000 ft. (609 m)
<b>Controller-to-Input-Point:</b> 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	0.20
OUT	N/A	16	16	1.80
SAM	8	N/A	N/A	0.15
SAM2	16	N/A	N/A	0.30

	TCP/IP Communication	Reader Ports	Door Lock Relay	Door Status Supervised Input	Request To Exit supervised	Supervised Readers	Additional Supervised Inputs	Voltage Outputs	Enclosure Tamper	Upgrade Capable	Max Power Amps@12VDC
ULT400	YES	4	4	4	4	4	3	4	1	YES	2.2
ULT800	YES	8	8	8	8	8	3	8	1	YES	3.2
ULT1200	YES	12	12	12	12	12	3	12	1	YES	4.4

