

## Datasheet

### C900IP - 2-Door IP Controller

#### Product Description

The C900IP is the newest powerful and flexible controller from the CENTAUR system.

It includes an integrated IP port and a preassembled universal power supply, making this device an industry leader in efficiency and simplicity.

New and improved features such as: 50 000 card management, on-board web page for controller address setting, and IP address management make this a major addition to the CENTAUR system.

**Centaur®**  
INTEGRATED ACCESS CONTROL



#### Key Features


- Control 2 doors / 2 readers
- On-board IP port
- Preassembled universal power supply
- Embedded web page for address setting, IP management, firmware update & others
- Lock outputs: 2 (750 mA @ 12 VDC / each)
- 6 multi-purpose inputs
- 50,000 cards and keypad user codes
- 25,000 event buffer

System Capacity	
Users / Cards	50,000 / 50,000
Access Levels	256
Holidays	128
Schedules (100 time periods each)	256
Event Buffer	25,000
Floor Groups	128

 Certification

 DEEE

**RoHS** Certification

 -4°F to 122°F  
(-20°C to 50°C)

## Communication

**On-Board Ethernet:** 10/100 base-T, auto sensing, 100 m (300 ft)  
**Local BUS:** RS485 communication between controller and expander

## Input Specifications

**Reader ports:** 2  
**Keypad ports:** 2  
**Multi-purpose inputs:** 6 (12 using zone doubling)

## Output Specifications

**Lock outputs:** 2 (750 mA @12 VDC/each)  
**Relay outputs:** 2 Form C relays, 5A @250 VAC, 7A @125 VAC, 7A @30 VDC

## On-Board Protection

**LK1 & LK2:** 12 VDC @ 750 mA  
**Auxiliary outputs:** 1A (12 VDC) fuseless protection  
**Battery:** Against reversal, short, current limited/monitored

## Electrical Specifications

**Power supply input:** 120 VAC to 240 VAC, 50/60 Hz  
**Power supply output:** 24 VDC, 2.5 A  
**AC terminal fuse:** 250 VA, 2.5 A. time lag, slow blow  
**Power loss indicator:** Yes (DC IN)  
**Battery backup:** One 12 VDC, 7 Ah, gel cell battery

## Recommended Wiring

Equipment	Wire Type	Size	Maximum Length
Card reader and Wiegand keypad	4 to 8 conductors, stranded, shielded (foil), drain conductor. For example: Alpha 5196, 5198, 5386, 5388, Belden 9553	22AWG (0.64 mm) to 18AWG (1.02 mm)	150 m (500 ft)
Zone input	2 conductors, copper 22AWG (0.64 mm)	22AWG (0.64 mm)	600 m (2000 ft)
Door strike	2 conductors, solid copper 18AWG (1.02 mm)	18AWG (1.02 mm)	150 m (500 ft)
Power supply	3 conductors, solid copper 18AWG (1.02 mm)	14AWG (1.63 mm)*	8 m (25 ft)
Ethernet	CAT 5/5e	-	100 m (300 ft)
RS485 bus, star or daisy chain (no BIAS/EOL required)	CAT 5/5e or 4 pairs	24AWG (0.51 mm)	1220 m (4000 ft)
	4 conductors, copper	26AWG (0.40 mm) to 18AWG (1.02 mm)	

