

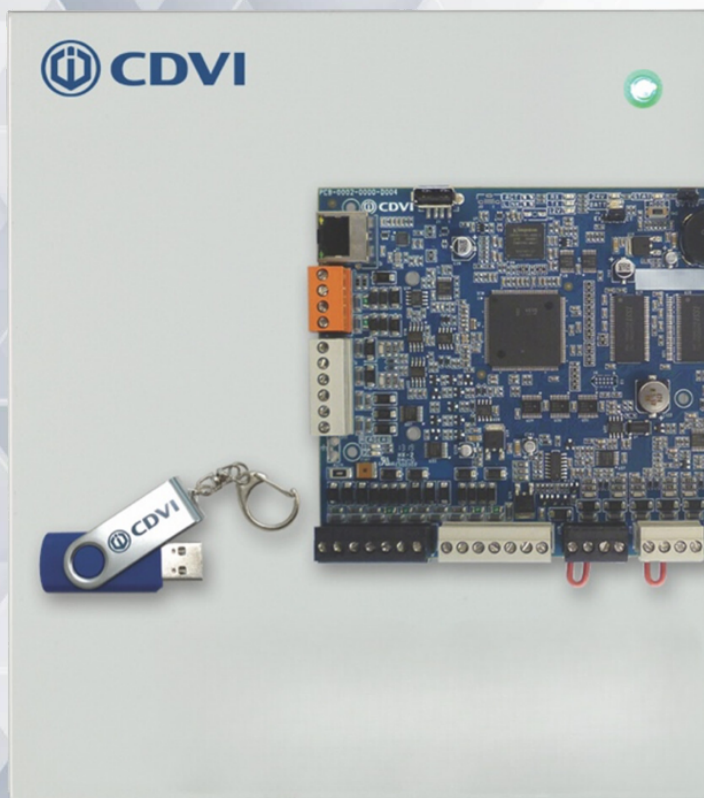


CDVI

Security to Access

C900IP

**Network Access Control
2-Door/2-Reader Controller**

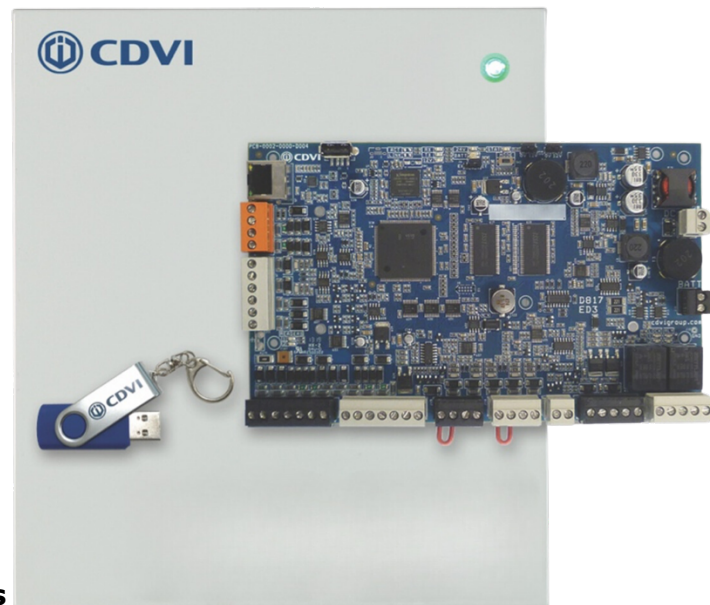


Centaur[®]
INTEGRATED ACCESS CONTROL

www.cdvigroup.com

1] PRODUCT PRESENTATION

- **Control 2 doors/readers**
- **Embedded Web Server (Secure https Ready)**
- **Pre-assembled universal power supply with AC wall plug (Also available with PoE+ Splitter)**
- **On-board Ethernet Port with AES 256-bit encryption**
- **Auto-detect hardware modules (No DIP Switches)**
- **Relay Outputs: 2 Form C relays (Dry Contact)**
- **Multi-purpose inputs (12 using zone doubling)**
- **Totally fuseless system**
- **50,000 users**
- **50,000 cards**
- **25,000 event buffer**
- **100 holidays**
- **1000 access levels**
- **250 schedules each supporting 100 time periods**
- **Full calendar with leap year support**
- **Firmware upgradable**
- **Management software**
- **Maintenance-friendly snap on terminal connectors**
- **Comprehensive LED status indicators**



RECOMMENDED WIRING

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

* The Minimum Size Equipment Conductors for the AC mains required are 14 AWG if made of Copper or 12 AWG if made of Aluminum or Copper-Clad Aluminum. Do not use any switch-controlled outlets to power the system.

SPECIFICATIONS

System Resources	
Doors	2 (expandable to 10 doors)
Cards / users	50,000 cards / users
Schedules	250 Schedules each supporting up to 100 time periods (dd, hh:mm)
Buffered Events	25,000 events
Holidays	100 holidays
Access Levels	1000 access levels
Operating Temperature	-20°C to +70°C (-4°F to +158°F)
Humidity	0% to 85% (non condensing)
System Autonomy	Full Distributed Architecture (100% Off-line Operation)
Firmware	Online Upgradeable
PCB Dimensions	19.9cm (7.83") x 12.38 cm (4.875")
Cabinet Dimensions	29 cm (11.4") high, 28 cm (11") wide, 8 cm (3.15") deep

Inputs	
Readers	2 x Wiegand Readers with Multiple Protocol Support (Wiegand 26-bit, 30-bit & 44-bit)
Keypads	2 x Wiegand Keypad with Multiple Protocol Support (Wiegand 8-bit & 26-bit)
Multi-Purpose Inputs	6 zone inputs (up to 12 using ZONE DOUBLING) supporting individual WIRE CUT & WIRE SHORT supervision.
Box Tamper	Normally Closed (N.C.) contact

Communication

LOCAL BUS	RS485 @ 57600Baud (1220 meters)
ETHERNET	10/100 Base-T, Auto Sensing, 100m(300ft)

Power Supply

AC Power	120-240Vac
Frequency	50Hz/60Hz
Output	24Vdc, 2.5A
AC Terminal Fuse	250Vac, 2.5 A, Time Lag, Slow Blow, Operating Temperature: -55°C to +125°C
Power Loss Indicator	Yes (DC IN)



Do Not Connect to a Receptacle Controlled by a Switch.
Other 24Vac, 75VA 50/60Hz UL/ULC certified transformer can be used.

On-Board Protection (All fuseless, auto-resume)

LK1, LK2	12Vdc @ 750mA
AUX	12Vdc @ 1A
Battery	Against reversal, short, current limited/monitored

Power outputs specifications

Battery Backup

Battery Capacity	One 12Vdc 7Ah rechargeable acid/lead or gel cell backup battery (UL/ULC: YUASA #NP7-12 recommended, Europe: CDVI B7AH recommended). Ensure proper polarity.
Charging Current	250mA (default), 500mA, or 1A. Refer to the ATRIUM system manual to modify the battery charging current.
Low Battery @	11.8Vdc
Low Battery Restore @	12.2Vdc
Low Battery Cut-Off @	10.5Vdc

Power Outputs (+12Vdc)

Lock Output LK1 Lock Output LK2	Maximum Current 750mA each
Reader 1 Reader 2 Zone Inputs	Maximum Current 1000mA
LOCAL BUS	

Outputs

RLY1, RLY2	Form C Relay, 5A @ 250Vac, 7A @ 125Vac, 7A @ 30Vdc
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