

Two-Door Web Access Controller

C-2PA



Key Features

- Two-Door Access Controller
- 12 VDC or PoE (802.3at)
- Remote Control
- Web Service
- Ease of Operation

Certifications and Compliance

- NDAA Compliant
- IC
- FCC

Learn More



View the Luminys access control product selector.

Overview

The **C-2PA** is part of Luminys's access control product range. Luminys access control solutions are built for flexibility, scalability, and reliability for applications of all sizes.

Key Technologies

Web-based management allows for seamless control through a browser for simplified setup, user management, and monitoring.

Scalability offers flexibility and adaptability. This controller supports up to 30 doors by adding additional controllers in sub-mode.

Bluetooth credentialing technology offers secure, contactless access via mobile credentials, ideal for modern workplaces. Compatible with supported readers and the web controller

Anti-passback technology prevents reentry using the same credentials without proper exit, enforcing strict access protocols in high-security areas.

IP66 Ingress protection ensures protection against dust and heavy rain, making it ideal for outdoor installations and rugged conditions.

Specifications

System

CPU	Dual-Core 1 GHz
RAM	256 MB
ROM	4 GB
Network Protocol	TCP, P2P, DDNS, DNS, UDP, IPv4
Interoperability	CGI, ONVIF
Third-Party Compatibility	SDK, API
Status Indicator Light	<ul style="list-style-type: none">• Solid Red: Power On• Solid Green: Operation Normal• Flashing Red: Abnormal Power• Flashing Blue: System Updating
Buzzer	Built-In

Functions

Verification Methods	Bluetooth, Remote, Fingerprint, Password, Card, Combination
Period List	128 Periods
Holiday Period	128 Periods
Network Update	Supported
Restricted/Trusted List	Supported
External Card Reader Support	Supports Up to Two (2) RS-485 or Two (2) Wiegand Card Readers
Multi-Person Unlock	Supported
First-Person Unlock	Supported
Interlock	Supported
Anti-Passback	Supported
Real-Time Monitoring	Supported
Web Configuration	Supported
User/Card Type	General, VIP, Guest, Staff, Blocklist, Manager, Other

Storage Capacity

User	Main Control Mode: 1,000 Sub Control Mode: 10,000
Fingerprint	3,000
Card	Main Control Mode: 5,000 Sub Control Mode: 50,000
Records	300,000
Bluetooth Card	5,000

Interface

RS-485	Three (3) Channels
Wiegand	Two (2) Input Channels
Network	One (1) × RJ-45 10/100 Mbps Ethernet Port
Exit Button	Two (2)
Door Sensor	Two (2)
Lock Control	Two (2)

Alarm

Interface	Input: Two (2) Channels Output: Two (2) Channels
Alarm Linkage	Supported
Event	Tamper, Duress, Door Sensor Timeout, Intrusion, Card Usage Threshold Exceeded, Duress Fingerprint

Electrical

Power Supply	12 VDC or PoE (IEEE 802.3at Type 2, Class 4)
Power Consumption	Standby (No External Devices): ≤ 2 W Working: <ul style="list-style-type: none">• Total Power Budget (DC): 1700 mA at 12 V for External Devices• Total Power Budget (PoE): 1200 mA at 12 V for External Devices

Construction

Net Weight	1.6 lb (0.7 kg)
Gross Weight	2.2 lb (1.0 kg)
Product Dimensions (L x W x H)	7.3 in. × 7.3 in. × 2.3 in. (186.4 mm × 185.8 mm × 58.3 mm)
Package Dimensions (L x W x H)	10.0 in. × 9.6 in. × 3.4 in. (254.0 mm × 243.0 mm × 86.0 mm)
Operating Temperature	14 °F to 131 °F (-10 °C to 55 °C) 5% to 95% (RH), Non-Condensing
Protection Ratings	IK06
Material	PC and ABS
Installation Method	Guide Rail Mount, Surface Mount

Certifications and Compliance

Certifications	FCC, IC
Compliance	NDA A

Dimensional Drawing

mm [in.]

