

cloudnode

DATA SHEET

Versatile. Cost Effective.

The cloud node is the main system panel and is the gateway to the io cloud platform. It also includes a single io (one door controller) to get your first door up and running. Each site requires one cloud node with an internet connection or optional cellular device. The cloud node then communicates with all local door controllers while storing all data on site in case of an internet outage. Ultimate flexibility is achieved by using ethernet, PoE, and wireless controllers with the cloud node.

Model

PN: CN



Cloud Node Features



Connects to io Cloud Platform

io provides the most powerful and streamlined access control platform on the market. Experience full configuration and management from any internet-connected device. Manage users, create groups, open and close doors, set system rules, get SMS & email alerts, and more. All in a single app.

Perfect for Single or Multi-Door Installs

In addition to connecting to our cloud platform, the cloud node also doubles as a single door controller. It's the only device you need for a single door install. Just connect to the network and door hardware for a streamlined installation.



Fully Supervised

Never be caught off guard again. io intelligently monitors the network and wireless connectivity of each controller in your system and alerts you if any issues arise.



Plug n' Play Connectivity

All io devices were designed to be plug n' play. That means they're super easy to install right out of the box. It's easy to add in any io device no matter how large the job is, and you can quickly scale a system to any size. The cloud node can connect to up to a thousand doors on a single platform.



Upgrade Any System

Backward compatible hardware makes system upgrades and takeovers a breeze. Simply replace any existing panel with a cloud node and io controllers, then connect it to the network to instantly bring the system into the cloud.



Automatic Software Updates

Experience future-proof access control that's always secure, and up-to-date. The cloud node updates automatically as new features, and security enhancements become available.

Specifications:

Connections

Removable Screw-down Terminals
Power Supply Input
Industrial-grade 2A Form-C Relays (1 Door / 1 Aux)
Reader Input (2)
Input A (Door Position Sensor)
Input B (Request To Exit)

Communication Options

Ethernet
WiMac Wireless Mesh (2.4 GHz / 802.15.4)
Encryption: AES 128bit
Wireless Range: 1 Mile LoS, 450ft indoor average

Environmental

Temperature: -20° ~ +60° C or -4° ~ +140° F
Humidity: 0 - 95% relative humidity non condensing

Enclosure

Dimensions (W x H x D) 6.5" x 9.25" x 3"
Metal lockable security can (indoor use only)

Weight

2.9 lbs (46.4 oz)

Compliance

Conforms to UL 294



Requirements:

Power

12-24V AC/DC Input
12VDC 1.5A *Battery-Backed Output
Powers readers and other door hardware directly from the bus
*Power supply and battery not included

Recommended Power Supply

Power Supply: ELK-TRG1640 or PM-05-HVC-2A
Battery: 12v 5a

Manufacturer's Limited Warranty

One to three-year warranty against defects in materials and workmanship.

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