

iACCESS CONTROLLER

IT RACK SECURITY & ACCESS CONTROL

PRODUCT OVERVIEW

The iAccess Controller is a dual powered 1RU rack mountable device designed to provide a complete cabinet door entry system that monitors and controls both front and rear cabinet doors.

Access for authorised users is possible via the integrated programmable Wiegand card reader, or by external control utilising the in-built webserver, or via integration into a remote management platform (NMS, BMS, DCIM etc.) using SNMP and the included Voltage Free Contacts. Standard Key access is also possible.

An audit trail is also made available to BMS systems via SNMP.



Features & Benefits

- **2 x Door Locks with Wiegand Entry Card Readers** - Supplied to allow controlled entry of both front and rear doors of a standard data centre IT cabinet. Access can be made via key, card or remote external control.
- **BMS Integration** - BMS interface is made possible with opto-isolated lock/door status Voltage Free Contacts and lock control inputs.
- **Monitoring/Configuration via Web Browser and/or SNMP** - Monitoring of the iAccess Controller is possible over an Ethernet network via internal webserver and through the use of SNMP registers.
- **E-mail Event Notification** - SMTP e-mails (Text and HTML) are generated when thresholds are breached or contact status changes.
- **Optional iSensorPlus sensors** - By utilising the optional 2 x iSensorPlus sensors, it is possible to monitor the temperature and humidity conditions within the cabinet.
- **Optional Particle Sensors** - Particle Sensors enable the monitoring of dust particles in the Data Centre environment.
- **Optional Volt Free Contact Sensors** - Volt Free Contact sensors are available for monitoring and alerting of relay and I/O status changes.
- **High/Low Alarm Thresholds** - Option to set individual High and Low Alarms for each sensor.
- **SNMP Traps** - Event notification through SNMP Traps are generated when thresholds are breached or contact status changes.
- **SNMP Audit Trail** - When integrated to a remote management platform (NMS, BMS, DCIM etc.) iAccess provides a full audit trail via SNMP, recording both authorised and unauthorised accesses. It provides a historical trail of who accessed which cabinet and the method used.

Product Description

iAccess Controller provides a standalone server cabinet security solution that utilises smart card access control technology to grant users entry to the cabinet doors. A dual-powered 1U rack-mountable device specifically designed as a server cabinet door entry and access control system for use in Data Centres and IT rooms.

Cabinet door access for authorised users is made possible through smart card control thanks to the integrated programmable Wiegand card reader. Alternatively, locks can be controlled remotely via the inbuilt webserver, or via integration into a remote management platform (NMS, BMS, DCIM etc.) through SNMP and/or the Voltage Free Contacts included with the controller. Access is also possible via a standard key mechanism.

The iAccess Controller can monitor the temperature and humidity of the cabinet environment through the optional use of two iSensor sensors. iAccess has a simple interface which can be accessed via the on-board webserver. It can also both be integrated into any SNMP enabled remote management platform like a BMS or DCIM system, such as Sensorium™, to provide centralised management.

In Sensorium™, the rack layout configuration enables data from iAccess to be viewed, along with other data from SNMP enabled equipment within that rack such as PDUs, in one convenient holistic dashboard.

Specifications

- 2 x Cabinet door locks and Wiegand entry card readers.
- Optional Temperature / Humidity / Particle / V.FC. Sensors.
- Optional USB CCTV camera
- BMS integration of door/lock status and lock control via opto-isolated Volt Free Contact.
- Network: 100mbps full duplex.
- Configuration/monitoring options: HTTP / HTTPS / SNMP.
- SNMP V3: (MD5 authentication, DES Privacy)
- HTTPS: Self signed certificates (Subject Alternative Name)
- Redundant Power: Dual 240V IEC C13 (Max 0.5A).
- Status LED: Power supply (A & B), Ethernet.
- Dimensions - 1RU x 155mm depth (HxWxD: 44x430x155mm)
- Weight - 1.2Kg

Monitoring and configuring iAccess is possible either through the internal webserver or through SNMP registers. Alerts and event notifications can be sent through SMTP e-mails which are generated on lock or door status changes, or when set thresholds are breached when the optional iSensor sensors are utilised.

When integrated into a remote management platform iAccess not only provides SNMP trap information regarding lock and door status (locked/ unlocked, open/closed) but also provides detailed information as to whether the access was authorised or unauthorised and by which method the door access was made through i.e. card reader or remote trigger through webserver or SNMP management system. This provides a full historical audit trail via SNMP so you'll know who accessed which cabinet and when.

The optional cabinet LCD Keypad controller is designed to be installed around the standard iAccess cabinet door handles and as well as providing keycode entry provides a visual indication on the door status (locked/ unlocked) but also provides environmental monitoring information when the iAccess temperature/ humidity sensors are also installed.



Optional iSensorPlus Temperature & Humidity Sensors

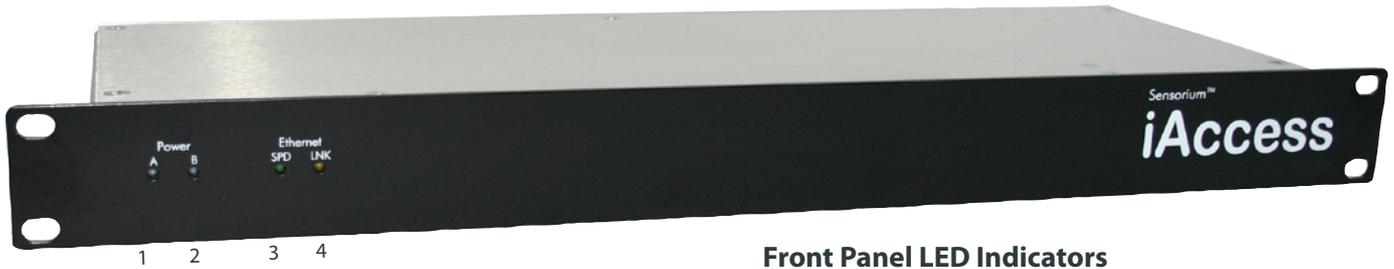


Optional Particle Sensor



Optional VFC Sensor

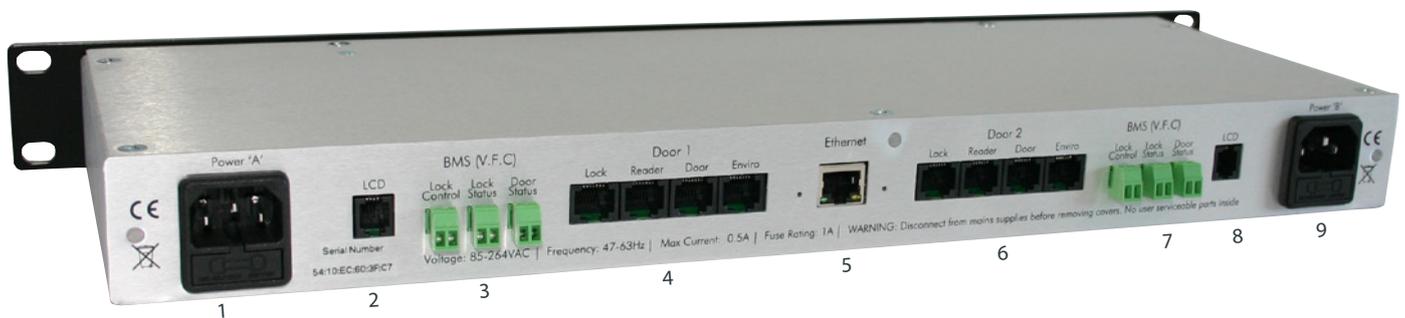
Front View - iAccess Controller Front Panel



Front Panel LED Indicators

- Power supply A indicator (1).
- Power supply B indicator (2).
- Ethernet connection indicator (3).
- Ethernet data transfer indicator (4).

Rear View - iAccess Controller Rear Connections



Rear Panel Connections List

- Dual AC power sockets - (1 & 9).
- LCD Output for touchscreen keypad - (2 & 8).
- Dual BMS (V.F.C.) connectors (Lock Control, Lock Status and Door Status) - (3 & 7).
- Dual door handle connectors and optional environmental sensor connectors (Door 1 and Door2) - (4 & 6).
- 10/100 Base-T Ethernet port (5).

Optional Door Handle LCD Keypad Screen

The optional door handle LCD keypad screen can be installed on initial installation or fitted at a later time to the standard iAccess door handle, thanks to its purpose built moulding. As well as enabling keypad access code entry, the LCD screen displays lock status as well as environmental monitoring data of conditions within the rack.



Keypad Entry Screen



Door Unlocked /
Authorised Entry



Door Locked /
Unauthorised Entry



Cabinet Temperature
and Humidity



Ver: EDPIAC4P0823.1

Tel: 01376 510337 - E-mail: sales@edpeurope.com