# CDC4-EN-MBC

## Intelligent 4-8 door / lift controller with 12 V PSU, EN50131 approved, 4 Wiegand inputs motherboard card

### Product overview

The CDC4-EN is a 4-8 door & lift controller. It provides for a complete and versatile access control solution to extend the Advisor Advanced and Axon system with advanced access control functions. It provides a complete integrated real-time alarm and access control system for four up to eight doors or lifts, with power supply and housing. A total of 12 door/lift controllers can be connected to an Advisor Advanced or Axon panel providing for a total of 48 up to 96 full access doors. The CDC4-EN door/lift controller can operate off-line with no degradation in performances, should communication with the Advisor Advanced panel fail as it offers full offline operation. This combined intrusion and access solution reduces wiring and required devices as the same devices like readers and inputs can be used for both purposes. Being EN50131 and NFa2p approved the inputs and power supply for door contacts and detectors can be used as part of an approved intrusion system.
Door and lift control can be used in one single door controller by configuring doors to lifts.

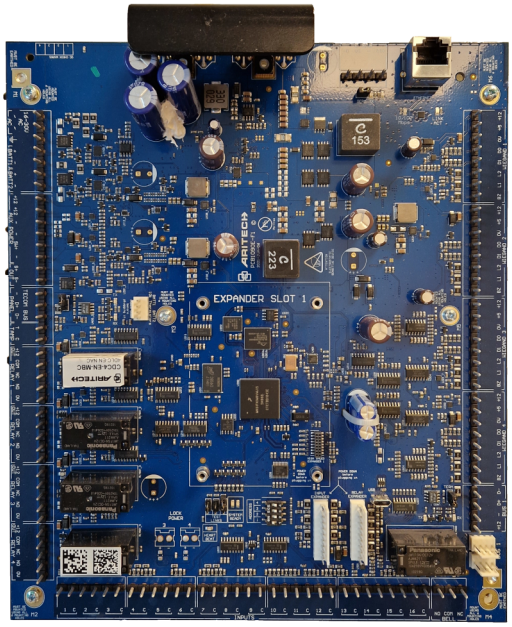
The CDC4-EN provides for the same size and connector arrangement as the ATS1250, including 4 Wiegand interfaces. This provides the most cost effective and easiest method to upgrade an older ATS1250 in an Advisor Advanced system, or when upgrading and ATS Master with ATS1250's to a current system where the ATS Master is replaced by Advisor Advanced or Axon panel.

### Expanders

Expanders are used to expand the number of alarm inputs in an Advisor Advanced and Axon system. Expanders allow inputs and outputs/relays to be connected at a location remote from an Advisor Advanced or Axon panel. Expanders communicate via poll & reply messages. Detectors, door contacts and other detection devices are connected to expanders that report any change of state to the control panel for processing. Available expanders include support for conventional devices, wireless devices as well as intelligent addressable devices. A special expander is available providing expansion of four to eight intelligent doors or lifts.

### Special features

Besides standard intrusion and access control options, the solution offers special features that are only possible due to the true combination of both. These features vary from changing security on doors when the intrusion area has disarmed, locking doors when the intrusion area arms, preventing access based on the intrusion area status or starting automatic arming when the last user has left an access control region. Special access control features include High Secure users for high secure areas like vaults, support for macro's to complement the standard features.
The lift functionality offers a solution where lift floor buttons can be controlled by access levels of users. Outputs referring to floors for that




### Details

- Real-time.alarm & access control on 4-8 doors / lifts per controller
- Approved for EN50131-3 and EN50131-6, NFa2p for use in intrusion systems
- Complete database for offline operation
- Up to 12 CDC4-EN door controllers providing 48 to 96 intelligent doors or lifts
- Any door can be configured as lift: use both together in one controller
- Full access control features: interlocking, user count, high secure users, anti-passback with regions
- Up to 65532 users with card and/or PIN
- Up to 32 readers per CDC4-EN and 6 per door
- Two local databuses with configurable protocol
- Supporting Secure readers, OSDP readers and wireless locks
- On board inputs, 4 Wiegand interfaces, door relays, IP connection and expansion options
- Extended mode operation: access control users managed by Advisor Management
- Anti-passback between all door controllers in standard mode connected to Advisor Advanced or Axon
- Excellent upgrade for ATS1250 with same size, mounting, connectors & power supply

lift will switch to only allow press the button for the allowed floors.

## Security

The CDC4-EN has been designed with focus on security. Not only proving fully encrypted communication between the controller and management application, but also between the CDC4-EN controller and the Advisor Advanced or Axon panel, between the card and readers as well as between readers and the CDC4-EN controller or the Advisor Advanced or Axon panel. In other words, CDC4-EN provides communication security from card to software.

## Connectivity

Any CDC4-EN can operate in two modes. Depending the mode selected the CDC4-EN is controlled completely through the Advisor Advanced or Axon panel providing four doors or lifts per CDC4-EN which is named the standard mode. In standard mode the CDC4-EN behaves like legacy door controllers providing the same features and user data for the door controller and the Advisor Advanced or Axon panel.
In extended mode the CDC4-EN is also configured through the Advisor Advanced panel using the ATS8500 or ATS8550 downloader. Even in extended mode the CDC4-EN exchanges intrusion information with the Advanced panel. In extended mode however the CDC4-EN is also directly connected via IP to Advisor management for configuration of access and intrusion users while providing support of up to 8 doors or lifts per CDC4-EN. Advisor Management sends intrusion related user data to the Advisor Advanced panel and access related data directly to the CDC4-EN.
Extended mode is not yet supported on Axon control panels.

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## Technical specifications

### General

| | |
|---|---|
| Expander type | Door controller |
| Product line | Advisor Advanced, Axon |
| Connection type | RS485 (to Axon/Advisor Advanced), IP (to Advisor Management) |
| Compatibility | Axon, Advisor Advanced (not Advisor Master) |
| Max. distance from panel | 1.5 km using advised cable |
| Max. per panel | Up to 12, depending on intrusion panel |
| Specified cable | WCAT52 / WCAT54 or equivalent |

### System

| | |
|---|---|
| Users | Up to 65532 |
| PIN codes | All |
| Door groups | 128 to 50,000 |
| Timezones / holidays | 24 to 1000 |
| Addressing | DIP Switches |
| End-of-line resistor | Selectable |

### Inputs

| | |
|---|---|
| Total | 32 for intrusion use |
| Onboard | 16 |
| Expandable | 16 for intrusion use |

### Outputs

| | |
|---|---|
| Total | 16 for intrusion use |
| Onboard | 4 |
| Expandable | 8 |
| Type of outputs | Relays/Open Collector |
| Relays | 5 |
| Maximum number of outputs | 128 |
| Siren outputs | 1 |

### Backup

| | |
|---|---|
| Battery type | 7.2 - 36 Ah |
| Dynamic battery testing | Supported |

### Electrical

| | |
|---|---|
| Power supply type | 230 VAC |
| Power supply value | 230 VAC +10%, -15%, 50 Hz |
| Power consumption | 3A at 13.8 VDC + 700 mA battery charging |
| Current consumption | 225 mA (incl Ethernet, no relay coils active) |
| Integrated power supply | Yes |

### Physical

| | |
|---|---|
| Physical dimensions | 219 x 255 x 47 mm |

### Environmental

| | |
|---|---|
| Operating temperature | 0 to +50°C |
| Storage temperature | -20 to +80°C |
| Relative humidity | 93% noncondensing |
| Environment | Indoor |

### Regulatory

| | |
|---|---|
| Compliancy | CE |
| Certification | CE, EN50131 Grade 3 |

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