

Network

Multi application controller



## **AIDApoint-AC100/FID, -AD100**

- Single room building and security controller
- Face recognition interface for access control
- 10W POE Ethernet for power & communication
- DIGIcontrol-3000 building control Software
- Up to 1000 controllers in a wide area network
- IBB bus interface with up to 6 devices
- 5 out of 2000 zones with up to 50 alarm points
- 2 Relays outputs and 2 monitored alarm Inputs
- Access controller for up to 2 doors & 30.000 Cards
- Up to 7 regulation modules
- Lighting controller for up to 15 of 10.000 light circuits
- Protected 12/0,5A bus power

# AIDApoint-AC100/FID

AIDApoint-AC100 multi-application building & security controller is a further development of the DIGIcontrol-FC3xxx product line.

With the 10W POE-Ethernet interface and a high-performance power supply, it allows a easy installation for all needs of one or two (extendable to 5) rooms with access control, light control and HVAC control.

Through its forward-looking concept, it combines alarm & intrusion, access, light & temperature control, intercom & video surveillance, sound on demand control and many more functions of modern building and security technology in one device. It saves up to 70% off cabling and installation costs.

A new firmware module enhances the RFID access control with an interface for face or licence plate recognition. During day time, access could be granted just by face recognition or known licence plates and during night time as a verification of the RFID card holder. Information from the face-ID or LPR-camera AI is sent via TCP-IP direct to the AIDApoint controller.

Scalability from a single apartment to a skyscraper and use of standard Ethernet infrastructure ensures flexible configuration and expansion capability of up to 1000 controllers in a single system. A built-in 256bit AES communication encryption makes it to one off the securest controller worldwide to install the controller in different locations over the internet without any security risks.

The controller is delivered with the proven multi-lingual DIGIcontrol-3000 security and building automation software. It supports all AIDApoint-AC100 integrated security and building automation functions in a level of performance and a simplicity-of-use which is unmatched by anything else in its class.

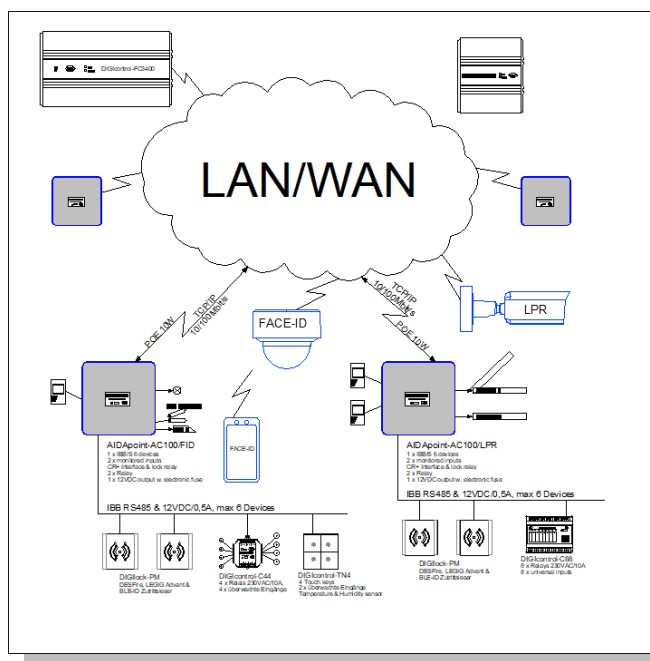
A powerful iMX8 CPU with POE-Ethernet interface supports a max. (3xFC1) of following important functions:

- 5000 personal groups
- 5 of 2.000 Access areas and 30.000 cards
- 25 time structures f. access, door & light functions
- 15 out of 10.000 light circuits & 10 light programs
- 5 of 2.000 alarm areas in one of 2000 groups
- 7 regulation modules
- direct interaction with ATS digital Video recorders

An RS485 data and power bus with supervised lines with 0,5A/12VDC power enables connection of up to 6 devices in total. Fuse & protection supports a CAT-5 cable length with a maximum of 100m.

2 Relays features door lock or light control and 2 supervised inputs allow connection of door monitoring contacts or other alarm devices. Additional 6 devices can be connected over the RS485 IBB/S network to support additional alarm inputs, light and HVAC control.

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## Technical Data:

CPU: 32 Bit 1,4 GHz Dual-Cortex-A53 based i.MX8m Nano with super cap buffered CMOS clock;  
512MB DDR3L SDRAM & 4GB eMMC Memory,  
10/100Mbit POE Ethernet interface,  
IBB/S bus line with electronic fuse 0,5A 12VDC and power monitoring  
2x supervised alarm inputs  
2x Relay out max 230VAC/60VDC/6A  
Power supply: 10W POE  
Tamper switch protected on wall housing  
Dimensions (overall): 114 x 114 x H 26 mm  
Temperature range: -10° to +45°C

## Delivery:

AIDApoint-AC100/FID complete with face recognition FW interface, DIGIcontrol-3000 software licence with work station licence and graphic editor;  
User manual, Installation & wiring instructions.

## Variants:

### AIDApoint-AC100/LPR

like AIDApoint-AC100/FID but with licence plate recognition FW interface;

### AIDApoint-AC100

Like AIDApoint-AC100/FID but without face recognition FW interface

### AIDApoint-AD100

Like AIDApoint-AC100 but for external 24VDC power connection

## Options:

### AIpoint-V2CD7A26G0

Licence plate recognition bullet-camera, 2MP 1920x1080, Motor zoom 3-12mm F1.2, IR 50m, 5 Streams, DNR, WDR

Information contained in this document is correct at the time of publication (14-02-23) is subject to change without notice

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