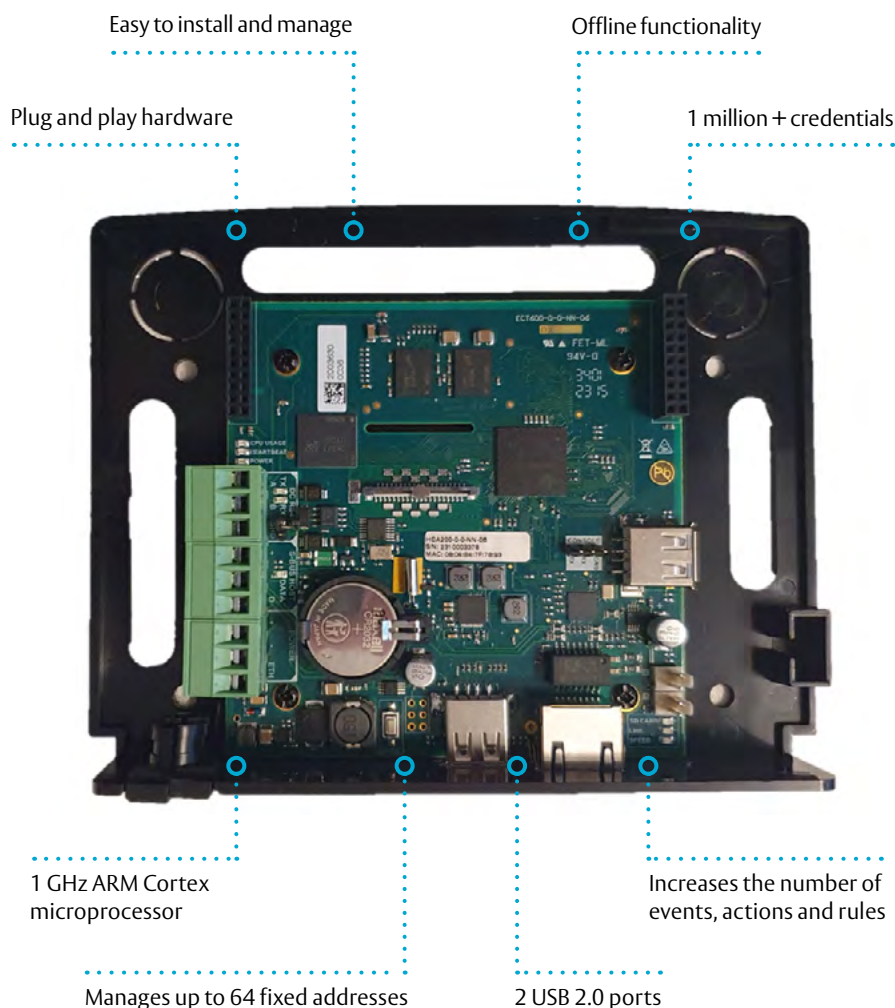# Application controller EAC-AM5 / EAC-AP5

ASSA ABLOY

Technical information

Experience a safer and more open world

This application controller is available in a plastic or metal housing. It is compatible with Primo and Incedo Plus.

Easy to install and manage

Offline functionality

Plug and play hardware

1 million + credentials

1 GHz ARM Cortex microprocessor

Increases the number of events, actions and rules

Manages up to 64 fixed addresses

2 USB 2.0 ports

High capacity
Designed for large or multi-building sites, this controller is meticulously engineered to handle a capacity of over one million credentials. With the ability to monitor up to 64 fixed addresses and multiple zones, it provides enhanced security measures. These fixed addresses can be either wired or wireless, allowing the controller to seamlessly manage Aperio locks through IP wireless hubs.

Flexible expansion
Expanding your access control hardware? The EAC-AP5 and EAC-AM5 are an excellent addition, increasing actions per event from 25 to 128 and groups per person from 10 to 255. All available in plastic and metal housings with the ability to simply plug and play.

Powerful performance
The 1 GHz ARM Cortex microprocessor powers the Linux unit, helping with remote uploads where full uploads can be performed on site with no downtime. This reduces potential security risks.

Application controller – Specification

Controller series	EAC-AP5	EAC-AM5
General information		
Product description	Application controller in plastic housing	Application controller in metal housing with integrated power supply unit (PSU)
Compatible systems	Primo, Incedo Plus	Primo, Incedo Plus
Colour	Black	
Dimensions (HxWxD)	129 mm x 170 mm x 56 mm	313 mm x 383 mm x 82 mm
Approximate product weight	295 g	3800 g
Material	ABS plastic	Powder-coated metal
Electrical specification		
Input voltage	10–15 V DC	90 V AC – 240 V AC @ 50/60 Hz
Power requirements	2 W @ 10 V DC; 2.25 W @ 15 V DC	–
Output voltage	–	13.8 V DC
Power output rating	–	75 W
Power input protection	Reverse polarity on DC power inputs, over-voltage and over-current protection	
Interconnectivity		
Ethernet	TCP-IP 10 Mbps / 100 Mbps	
USB	2 x USB 2.0 ports	
RS-485	1 x device port	
System specification		
Processor	AM335x ARM Cortex-A8 1 GHz with VFP and NEON floating-point accelerators	
Non-volatile memory	16 GB microSD card, Class 4	
On-board memory	4 GB On-board EMMC	
RAM	512 MB DDR3	
Operating system	Linux Debian 9	
Environmental specification		
Operating temperature	–10 °C to +50 °C	
Storage temperature	–15 °C to +50 °C	
Operating humidity	0–95 % relative humidity @ 40 °C non-condensing	
Environmental rating	Designed to work in indoor (dry) environment, similar to IP20	
Other information		
Anti-tamper protection	PCB mounted switch	Panel mounted limit switch
Real time clock battery (RTC)	1 x 3 V, CR2032, Lithium cell battery	
Power indicator	Red LED (internally visible)	
Diagnostic indicators	Ethernet link speed, link active – red LEDs; CPU usage – red LED, CPU running – green LED	
Certification		
CE (EU)	Yes	
RoHS	Yes	