



AxesMain: Controller / Gateway

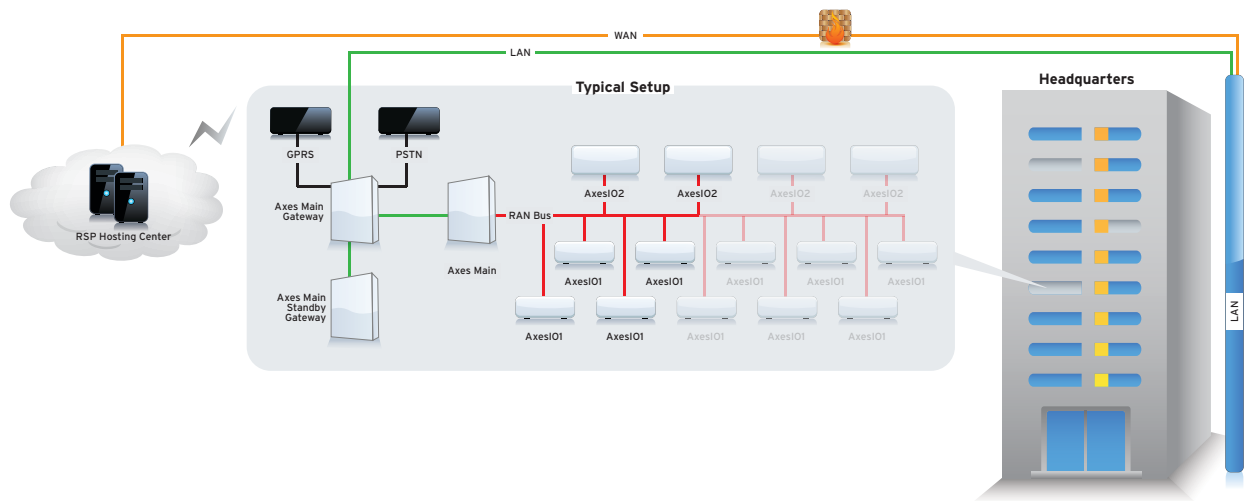
The AxesMain can be used as a controller for up to 18 doors in the following configuration:

- Up to 4 AxesIO2 each controlling two doors (2 readers, 4 inputs and 4 relays per door)
- Up to 10 AxesIO1 each controlling a single door (1 reader, 4 analog inputs and 2 relays per door), or a single Hi-O™ door (a door using ASSA ABLOY's Hi-O™ protocol)
- Alternatively, it can be used as a gateway between the doors/lifts and the axesplus® service platform.

The AxesMain consists of a controller board and a power supply with its management card. The optional AxesGSM module can supplement the Ethernet connection with a GPRS connection as a primary/secondary communication interface to the axesplus® servers.

Highlights

- Manages the information of up to 65,000 cardholder (up to 40 different access profiles) and more than 10,000 events.
- Access cards and profiles, schedules and events are stored internally.
- No single point of failure - in case of a network failure the controllers remain operational and continue to save the events internally.
- Remote management and secured access to the axesplus® service platform via the Internet.
- AxesIO1 and AxesIO2 can be connected to the AxesMain via a RAN bus (distance of up to 600m).
- Management of 10 AxesMain units in gateway mode.
- Encrypted data communications (TLS and AES 128 bits).
- Accurate time keeping: real-time clock, time zone management and automatic DST clock switch. The clock can be automatically synchronised with a NTP server.



Specifications

Total number of active cards	> 65,000 (for 40 access profiles)			
Total number of events	> 10,000			
Authentication and encryption	TLS and AES 256-bit			
In gateway mode (Proxy): Maximum number of control units per Proxy	10			
Electrical Characteristics	AxesMain	Consumption	100mA-180mA@14.4V	
		Range of supply voltages	8-16VDC	
		USB Host Vbus	5V + -5% @ 200mA max per port	
		Dimensions	190mm x 75mm	
	AxesPMC	Consumption	45mA-65mA@14.4V	
		Range of supply voltage	11-15VDC	
		Maximum current	Total AUX1 and AUX2 max 3A	
		Battery Type	Lead-acid battery	
		Load current of the battery	Max 0.3 A	
		Maximum capacity of the battery	12V@7AH	
		Dimensions	90mm x 73mm	
	AxesGSM	Consumption	3mA@14.4V (1200mA peak in transmission)	
		Range of supply voltage	8-16VDC	
		Dimensions	76mm x 75mm	
	AxesPS	Range of supply voltage	88V - 264VAC @ 50Hz	
		Supply current	1.3A / 115 VAC	
		Output voltage	12V DC	
		Range of output current	0 - 4.2A	
	Temperature range	-10 ° C to +55 ° C		
	RH	Max 85% (no condensation)		
Dimensions (W x H x D)	320mm x 290mm x 136.2mm			
Weight	4.2Kg			

Trade References

References	Descriptions	Composition of the kit (references available separately)		
		References	Description	Qty
ACXKMAIN000A	axesplus® Controller/Gateway	ACXBOXM0000A	Medium box	1
		ACXMAIN000A	Proxy and / or controller (max 4 I/O boards or 10 HI-O)	1
		ACXPS000000A	3A Power Supply	1
		ACXPMC00000A	PMC - card power management	1
OPTIONAL				
ACXGSM00000A	GSM / GPRS module	Includes GSM antenna and connecting cables		
ACXDOORS000A	I / O board	Can control two doors		
ACXBOXS0000A	Small box	Allows mounting of an I / O board (L 270 x H 246 x D 136 mm)		
ACXIO100000A	Hi-O Card	Can control an Hi-O™ door or a single door (1 reader, 2 relays and 4 analog inputs)		