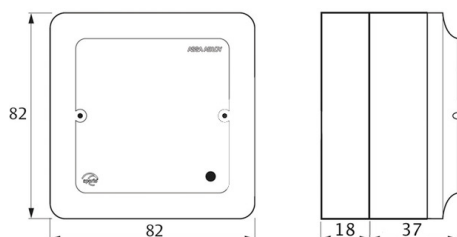# Aperio® AH30 Gen5 1 to 16 Communication Hub

RS485 Communication Hub For indoor use

ASSA ABLOY
Opening Solutions

aperio

82

82

18   37

CE

Overview of Advantages

- Connection to the EAC system via RS485 bus (addressable). Enables connection of up to 16 Aperio® products with a hub.
- Wireless range up to 25 m
- Integrated antenna with the option to mount an external antenna
- Encrypted radio communication
- Mounting on wall bracket (included)
- LED for status visualisation
- Built in tamper switch. Detection of removal from bracket
- Firmware upgrade via UHF radio or IP network
- Event Log in the hub

Product description

- The Aperio AH30 Gen5 1-to-16 hub is used for communication between the Aperio wireless components and the access control system. The communication takes place encrypted and in real-time.
- With the RS485 hub, a total of 16 online components can be activated, meaning that 16 doors can be managed and controlled.
- The mounting takes place on either all conventional flush-mounted casings or using a surface-mounted casing (included).
- Via an LED status display, the user receives a quick overview of the individual states of the hub, the communication and the activation process.
- The range of the transmission path to the Aperio lock devices is max. 25 m and can be specially aligned via external antennas.

Scope of delivery

- 1 hub with installation instructions
- Wall mount bracket
- Fixing screws to mount hub to wall housing.

Suitable ASSA ABLOY products

- External antenna

Technical data - RS485 Communication Hub

	Approvals	CE, ETL, FCC, IC, C-Tick
	Safety and Emissions	IEC 62368-1:2014 EN 62368-1:2014 + A11:2017 UL/CSA 62368-1:2014 EN 301 489-1 V2.1.1 EN 301 489-17 V3.2.0 EN 300 328 V2.2.2 EN 50130-4:2011 + A1:2014 EN 62311 FCC 47CFR Part 15 subpart B and subpart C ISED RSS-247 and ICES-003 AS/NZS 4268
	Dimension	82 x 82 x 37 mm (H x W x D)
	Required power supply	8 - 24V,DC 0.8W
	Radio standard	IEEE 802.15.4 (2.4 GHz) - 16 channels (11-26)
	Encryption (radio communication)	AES 128 bits
	Wireless operating range	Typical range of 25m depending on building enviroments
	Receiver sensitivity	- 100dBm

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	Internal antenna	2 cross polarized dipoles
	External antenna	One reverse polarity SMA external antenna connector. AH20/30 is certified to be used with ASSA ABLOY external antenna AH-ANTENNA-1. If other external antenna is used it must be of same type (dipole) and not have larger antenna gain than 3.6 dBi.
	Class of protection	IP 20
	Operating temperature range	5°C to 35°C
	Relative humidity	< 95% (non-condensing)
	Status	LED (red/green/orange)