

Aperio® AH20 Standard Gen5 1 to 1 Communication Hub

Wiegand Interface (Advanced Wiegand) Communication Hub For indoor use

Product description

For connection to EAC system via Wiegand interface

Provides radio communication to the Aperio® door devices

Integrated antenna with the option to mount an external antenna

Encrypted radio communication

For standard electrical installation boxes

LED for status visualisation

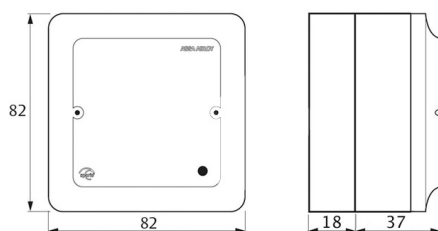
Built in tamper switch. Detection of removal from bracket






Additional relay outputs: These relay outputs can be connected to the controller. The messages are fixed as follows: DPS (Door Position), RX (Request to exit), Battery Alarm Output, Tamper Alarm Output, Lock Jammed

Scope of delivery

- 1 hub with installation instructions
- Fixing screws
- Wall bracket



Technical data - Wiegand Interface (Advanced Wiegand) 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
	Relay	30VDC/1A resistive load (Advanced Version only)
	Radio standard	IEEE 802.15.4 (2.4 GHz) - 16 channels (11-26)
	Encryption (radio communication)	AES 128 bits
	Receiver sensitivity	- 100dBm
	Wireless operating range	Typical range of 25m depending on building environments
	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.

Aperio® AH20 Standard Gen5 1 to 1 Communication Hub

Wired Class of protection I Wiegand) Communication Hub For indoor use

	Operating temperature range	5°C to 35°C
	Relative humidity	< 95% (non-condensing)
	Status	LED (red/green/orange)