

Aperio® AH20 Advanced Gen5 1 to 1 Communication Hub



Wiegand Interface (Advanced Wiegand) Communication Hub For indoor use

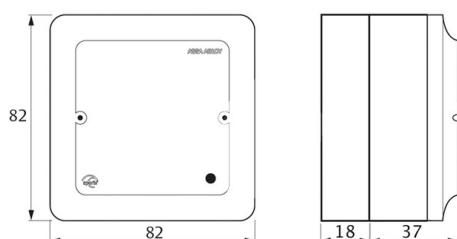
Product description

- 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 the 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 to mount hub to wall housing.
- Wall mount 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 2W
	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.
	Class of protection	IP 20
	Operating temperature range	5°C to 35°C
	Relative humidity	< 95% (non-condensing)

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Status

LED (red/green/orange)