

Communication HUB AH20 a AH30

Aperio provides system solutions for wireless access control. Aperio was developed by Assa Abloy for easy implementation into end customer solutions access and attendance systems. The system is characterized by ease of installation and flexibility.



Versions of the communication HUB:

AH20 1-to-1	Uses Wiegand interface
AH30 1-to-8 Standard	Uses RS485 bus (addressable)
AH40 1-to-16 IP	uses TCP/IP protocol

Functional options:

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

Technical parameters:

Approvals	CE, ETL, FCC, IC, C-Tick
Safety and Emissions	FCC 47CFR Part 15 subpart B and subpart C; IC RSS-210; EN ETSI 301 489-17 v2.1.1; EN ETSI 300 328 v1.7.1; EN 60950-1 ed.2 2007; UL 294-2010; C22.2
Dimension (H x W x D)	82 x 82 x 37 mm
Required power supply	250 mA Minimum 80 mA at 12 V DC
Radio standard	IEEE 802.15.4 (2.4 GHz) - 16 channels (11-26)
Encryption (radio communication)	AES 128 bit
Wireless operating range	Typical range of 15-25 m depending on building environments
Receiver sensitivity	- 100dBm 20%PER
Internal antenna	2 cross polarized dipoles



Technical parameters:

External antenna	One reverse polarity SMA external antenna connector. Type (dipole) and not have larger antenna gain than 3,9dBi.
Class of protection	IP 20
Operating temperature range	5°C to 35°C
Relative humidity	< 95% (non-condensing)
Door status	LED (red/green/orange)

