

Aperio® IP Communication Hub AH40

1- to- 64

Aperio® IP Communication Hub For indoor use

Product description

For connection to EAC system via IP/Ethernet connection

Allows to connect up to 64 Aperio® devices on a single hub

Integrated antenna with the option to mount an external antenna

Encrypted radio communication

TCP/IP communication encrypted using TLS 1.1/1.2

Powered using Power over Ethernet (PoE) or external power supply

For standard electrical installation boxes

LED for status visualisation

Built in tamper switch. Detection of removal from bracket






Firmware upgrade via UHF radio or IP network

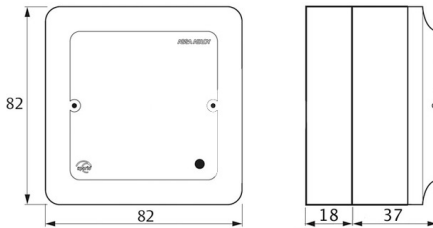
Event Log in the hub

Scope of delivery

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

Technical data - Aperio® IP Communication Hub

| | | |
|---|---|---|
|  | Approvals | CB, CE, C-Tick, ETL, FCC, IC, ICASA |
| | 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 |
| | Power supply | 8-24 VDC or Power over Ethernet (PoE) |
|  | Dimension | 82 mm x 82 mm x 37 mm (H x W x D) |
|  | Required power supply | PoE: IEEE 802.3af compliant class 1 Powered device (PD) External Power supply: The power supply shall be able to deliver minimum 1.2W. The power supply shall be 3 A over current protected. |
|  | Radio standard | IEEE 802.15.4 (2.4 GHz) - 16 channels (11-26) |
| | Encryption (radio communication) | AES 128 bits |
| | Receiver sensitivity | -100 dBm |
| | 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. |



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 **Operating temperature range**  **Relative humidity**  **Status** **Class of protection** Hub For indoor use IP 20

Operating temperature range 5°C to 35°C

Relative humidity < 95% (non-condensing)



Status LED (red/green/orange)

Accessories/Individual parts

| Order number | Product |
|-----------------------|------------------|
| 500ZB-EXTANT-00_model | External antenna |