

### Overview of Advantages

- Connection to the EAC system via RS485 bus (addressable). Enables connection of up to 8 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 standard switch boxes
- LED for status visualisation








### Product description

- The Aperio 1-to-8 hub is used for communication between the Aperio wireless components and the SCALA EAC system. The communication takes place encrypted and in real-time.
- With the RS485 hub, a total of 8 online components can be activated, meaning that 8 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 escutcheons or cylinders is max. 25 m and can be specially aligned via external antennas.

### Scope of delivery

- 1 hub with installation instructions
- Wall-mounted housing
- Fixing screws

### Technical data - RS485 communication hub

	<b>Approvals</b>	CE, ETL, FCC, IC, C-Tick
	<b>Safety and Emissions</b>	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
	<b>Dimension</b>	82 x 82 x 37 mm (H x W x D)
	<b>Required power supply</b>	250 mA Minimum 80 mA at 12 V DC
	<b>Radio standard</b>	IEEE 802.15.4 (2.4 GHz) - 16 channels (11-26)
	<b>Encryption (radio communication)</b>	AES 128 bits
	<b>Wireless operating range</b>	Typical range of 15-25 m depending on building environments
	<b>Receiver sensitivity</b>	- 100dBm 20%PER
	<b>Wireless operating range</b>	10 dBm/MHz
	<b>Internal antenna</b>	2 cross polarized dipoles
	<b>External antenna</b>	One reverse polarity SMA external antenna connector. Type (dipole) and not have larger antenna gain than 3,9dBi.
	<b>Class of protection</b>	IP 20
	<b>Operating temperature range</b>	5°C to 35°C
	<b>Relative humidity</b>	< 95% (non-condensing)
	<b>Status</b>	LED (red/green/orange)