

Aperio technical features

ASSA ABLOY

ASSA ABLOY, the global leader
in door opening solutions



Connection to the access control system

To make the implementation easy for all the access control systems the Aperio products use a "standard RS485 protocol" developed by ASSA ABLOY. A company that want to drive an Aperio product can implement this protocol in its system.

Wireless

The wireless link is a 2.4 GHz UHF link based on the IEEE 802.15.4 standard. It has been selected due to its low power consumption and small implementation footprint, which enables small and low cost devices.

The wireless communication is used between the lock and the communication hub. Distance between the two elements can be until 5 meters.

Aperio Lock

The escutcheon and cylinder are coherent with and offer the same functionality as any coming Aperio embedded lock:

- UHF wireless communication based on IEEE 802.15.4 (2.4 GHz)
- Approximately 5 m range depending on environment
- 128-bit AES encrypted communication
- 10 override credentials stored in the lock in case of lost contact to EAC system
- Audit trail with 200 entries stored in case of lost contact to EAC system
- Event log for significant system events
- Regular status messages and alarms sent to EAC system (including low battery level)
- In-field upgrade of firmware over UHF
- 40 000 openings
- Windows tool for installation, configuration and maintenance over UHF
- Mifare RFID technology (UID or sector segment reading depending of the configuration decided)

ASSA ABLOY AB
P.O. Box 70340
SE-107 23 Stockholm
Sweden

Visiting address: Klarabergsviadukten 90
Tel: +46 8-506 485 00
E-mail: info@assaabloy.com
www.assaabloy.com

ASSA ABLOY

ASSA ABLOY, the global leader
in door opening solutions,
dedicated to satisfying end-user
needs for security, safety and
convenience.