



## **Sapphire™ Hybrid EM/HF Self service** Circulation system

Today self service in libraries is a powerful and crucial service to patrons. The Sapphire™ is an ergonomically designed hi-tech self service unit that fits perfectly into the logistic process.

It's modular construction gives all the flexibility to libraries who want to migrate to different identification technology today and in the future.

The Sapphire™ Hybrid self service unit seamlessly combines barcoding- or RFID technology for the identification of patron cards with EM technology for optimal security of items by (de)

activating the EM tags after successful registration of items via RFID book tags.

This simple, one-move handling improves efficiency, accuracy and security in a user friendly environment.

The 22" HD touch screen together with the integrated receipt printer, RFID readers and barcode scanners for cards, EM (de)activator for EM tags and RFID reader for RFID tags are designed in one compact stylish high-quality housing, and therefore easy to relocate in a library.

# Sapphire™ Hybrid EM/HF Self service Circulation system

The Sapphire™ self service unit comes standard with full circulation software including check-in, check-out and renew functions, preconfigured to connect to an LMS (Library Management Software) through SIP2 which is completely supported.

## Options

The Sapphire™ self service unit is delivered in beige/grey color. Upon request other colors are available.

## Specifications

### Dimensions

- Height: 663 mm
- Width: 638 mm
- Depth: 568 mm

**Material:** Stainless steel, PS, Corian™

**Weight:** 37 kg

**Functions:** Self service: Check -in, check-out

**Compatibility:** SIP2

**Standard:** ISO 15.693 / 18.000-3.1 / ISO 28560 / ISO 14443

**Certifications:** CE / EMC

**Check-in / check-out materials:** Books / Magazines / Media

### Touch PC:

High quality 16:9 Full HD 22" LCD touch screen with a wide view angle VA panel. Dust and water proof, (IP65), Chipset: Intel® Bay Trail N2930.

### Printer:

Thermal line printing with a 180 dpi print head, print speed of 250mm/second, assuring crisp, clear receipts and eye-catching logos.

**Item Identification & protection:** RFID reader: 13,56 Mhz, ISO 15693

Patron identification: 2D barcode imager or RFID reader 13,56 Mhz, ISO 14443

Item protection: RFID technology (EAS and/or AFI bit)

Item protection: EM technology. (EM (de) activator)

**Software option:** Dialoc library software\* pre-installed and pre-configured.

It supports LMS/iLS protocols SIP2 and is data model independent.

Access to the library network via Ethernet is required.

Upon request the Sapphire™ self service unit can be delivered without software.

**Power:** 230 V

**Environmental facts:** Temperature: + 10°C <> + 45°C



Color options:

