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 RIFD 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.

VISUAL IMAGING
Visual Systems
Document Imaging Solutions

The Sapphire™ self service unit comes standard without software, but is optionally available with full circulation software including check-in, check-out and renew functions. Upon request preconfigured to an LMS (Library Management System) through SIP2, which is completely supported, and is SIP3 and NCIP ready once this new standard is valid.

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: Metal, stainless steel, HPL, 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 screen with a wide view angle VA panel. Dust and water proof. (IP65), Chip-set: Intel® QM77, CPU: Intel® 2nd and 3rd generation Intel Core™ i3, i5, i7, mobile processor TPD > 35W

Printer:
Thermal line printing with a 200 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.

Power: 230 V
Environmental facts: Temperature: + 10ºC <> + 45ºC

Color options: