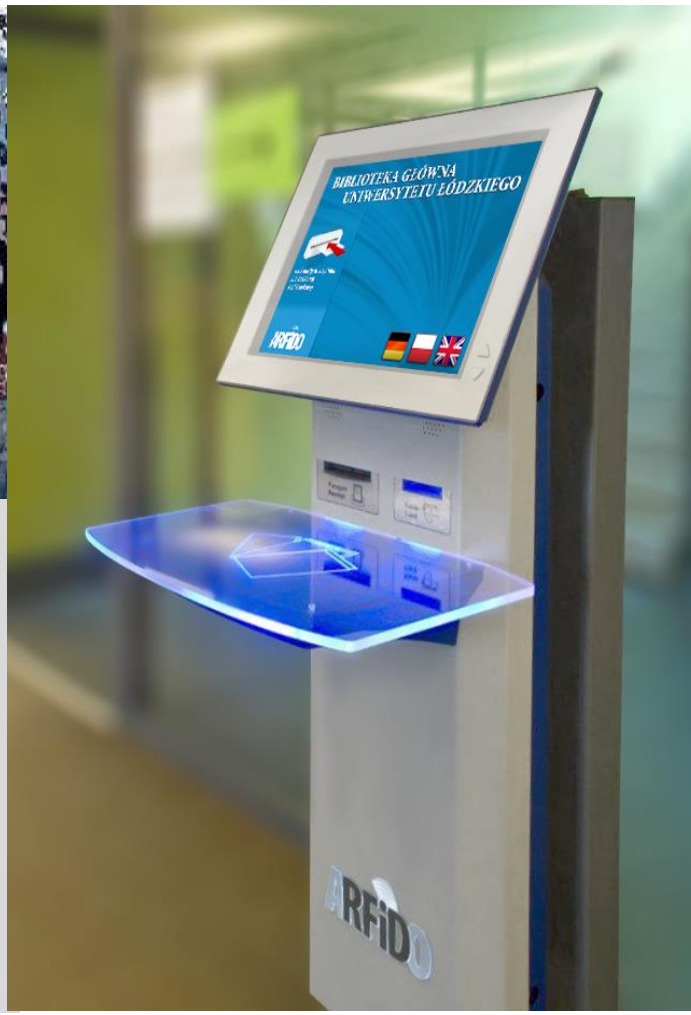
nowoczesna biblioteka

Free-standing stand for independent loans and returns adapted to the needs of the disabled by ARFIDO RFID



Self-service borrowing and returning books is possible thanks to a device specially designed for readers. Thanks to the electrically height-adjustable shelf and monitor, it is easy to use for people with disabilities (option). It is a free-standing, one-block stand, which allows the user to borrow and return books by himself, allows access to his account, informs about return dates and prints receipts. Ideally suited to reading rooms and lending rooms with free access to book collections, both in small and large libraries. Works in RFID UHF or HF frequency.

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A device for independent loans and returns. Device operation:

Friendly touch screen graphics tell the reader what action to perform. Messages and instructions will be adapted to the needs of the Library. The device offers the choice of language options.

Rental functions:

- reading the library card by card reader,
- reader identification and verification of his rights in the library system using the SIP2 protocol,
- displaying the reader's account status on the monitor containing the following information: surname, first name; titles of items borrowed; date of return. The list is sorted by return date from the nearest to the most distant.
- subsequent volumes (being in the field of view of the RFID reader) are, according to the reader's privileges, transferred to his account,
- at the same time there is a change in the volume protection status in the RFID label (EAS flag),
- reading will take place when the volume is placed on the reader,
- the reader checks up to 5 items simultaneously,
- in the case of attempting to borrow materials that the type of reader cannot borrow, the system will inform with appropriate visual and audio messages,
- the reader will receive confirmation of the transaction and the ability to print the receipt (option of sending the receipt via e-mail).

The refund process takes place as follows:

- reading the library card by card reader,
- reader identification and verification of his rights in the library system using the SIP2 protocol,
- displaying the reader's account status on the monitor,
- volumes are "moved" from the reader account to the library account,
- at the same time there is a change in the volume protection status in the RFID label,
- reading will take place when the volume is placed on the reader,
- the reader checks up to 5 items simultaneously,
- the system does not allow accepting expired books,
- after passing through the device- the book is ready to be put on the shelf.
- the reader will receive confirmation of the transaction and the ability to print the receipt (option of sending the receipt via e-mail).

The device consists of:

- LCD 19 '' touch screen, scratch-resistant SAW surface wave technology,
- RFID reader,
- receipt printers in thermal technology for printing on thermo-sensitive paper with paper rolls (option of sending a receipt via e-mail),
- device software: applications for self-loans and returns,
- integrated RFID antenna for reading labels, RFID library card reader, electronic ID reader, barcode reader,
- free-standing housing.

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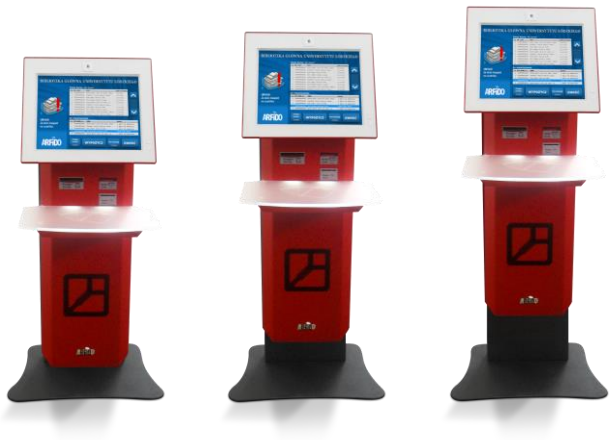
Device Specification:

- dimensions: height 1500 mm (option- height electrically adjustable by the user in the range of 1250/1500 mm),
- monitor and shelf electrical adjustment
- 23 cm wide 485 mm x depth 585 mm,
- monitor housing: steel,
- built-in A4 composite shelf + with a scratch-resistant surface made of 6 mm thick tempered glass and with rounded corners,
- device housing: steel and stainless steel sheet,
- width of receipts (receipts): 80 mm,
- the device is vandal-proof, stand alone in the library or attached to the wall (device weight 70 kg),
- the device screen has the ability to adapt to the needs of the visually impaired,
- device base 7 mm enabling comfortable wheelchair access,
- possibility of configuring the operating mode (enabling and disabling the borrowing and returns options),
- the color of the device will be adapted to the architectural requirements presented by the Employer,
- a logo and description in accordance with the Employer's decision will be placed on the housing and the service application,
- access to the interior of the device protected by a patent lock with the Master Key option (the ability to open a group of kiosks with one key),

The device is connected to the standard power supply (230V 50Hz 6A) and to the ICT network connection (RJ 45- permanent IP number). Communication with the library system using the SIP2 protocol (provided by the Library).



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