



ENHANCES CIRCULATION DESK OPERATION

RFID SMART DESK SYSTEM W200

WISERF RFID SmartDesk, as a multifunction device for librarian to enhance the circulation desk operations by a quick check out and check in process. The system provides both read and write functionality and the reader can be easily installed on or in staff counter.

Smart Desk eliminates staff repetitive works with performing identification and security operations with single pass of items over the reader. The system provides fast handling with eliminating open and close CD/DVD case. It provides single step interface architecture with the choice of synchronized keyboard hot key feature or auto mode selection (check in or check out). The system also can be run in background with no additional interface and perform auto check-in and check-out.

The system works as keyboard wedge to read item ID from RFID tag and transfer data to LMS for check-out, check-in and renewal processes. Librarian can process multiple

materials simultaneously by simply passing them over the reader without the need to locate the barcodes.

RFID Smart Desk performs as tagging station which enable librarian to process barcode-to-RFID tag conversion by programming the ID, call number, book title, location code into RFID tag. With no additional setting required, user can switch circulation function to tagging function easily. The system optional with program additional information function into RFID tag such as author, year of publication, ISBN/ISSN etc.

The W200 is designed as a very flat and suitable for desktop applications in libraries to books. Due to its integrated shielding transponders will be detected only inside the antenna area and interferences between several antennas will be minimized. The installation on metallic or conductive surfaces has no influence on the antenna.

SYSTEM FEATURES

- Able to work with any Automated Library Database System via SIP2 / NCIP protocol. Certified successful connected with MILLENIUM, HORIZON, SYMPHONY, VIRTUA, KOHA, Walai AutoLib, ILMU, Libsys, Sierra, UlibM, Destiny, ALIST, iLIB etc.
- Option to install the system at counter (wood, acrylic, glass, laminate material) to fit library interior design
- Able to operate with/without connect to LMS (offline/online mode)
- Verifies RFID tag and EM strip status whether security bit is ON or OFF
- Manual activate and deactivate RFID tag and EM strip security bit
- Operation model: Host mode (auto mode), standalone mode (manual mode)
- Displays alert message and sound when tagging error
- Displays tagging status: successful or failed
- Verifies tag data via SIP2 and NCIP connection
- RFID tagging reports can be exported by date, month, year in Word, Excel and PDF format

RFID HYBRID SMART DESK SYSTEM W200-H

- RFID Hybrid Smart Desk System is available for the libraries have yet to be fully implement RFID technology. It able to de-activate or re-activate RFID tag & EM strip in single step.
- Built-in with RFID HF reader, antenna and EM module in single housing that made by stainless steel.
- LED light indicator: Blue - normal, Green - operation success, Red - operation failed
- Librarian just need to place a book at the device and it will detect the item ID via RFID tag and send the item ID to the LMS circulation module for process borrow or return. In simultaneously, the device deactivates or activates the RFID tag and EM strip of the book. Librarian has no need to manually press activate or deactivation button as well as scan the barcode label on the book.



TECHNICAL SPECIFICATIONS

	W200	W200-H
Dimensions (w x d x h)	Antenna: 337 x 237 x 8.3mm Reader: 145 x 85 x 31mm	420 x 320 x 200mm
Weight (kg)	0.73	8
Material	Aluminium Alloy, Acrylic Glass	Stainless Steel, Acrylic
Communcation interface	RS-232 / USB / Ethernet (TCP/IP)	
Power requirement	220-240V AC / 50-60Hz	220-240V AC / 50-60Hz
Operating Frequency	13.56 MHz	13.56 MHz + EM 366Hz
Tag Compatibility	ISO15693, ISO18000-3	ISO15693, ISO18000-3, Market standard EM strips
Tag data format	ISO28560	ISO28560
Read range (cm)	Up to 30 (depend RFID tag size)	Up to 20 (depend RFID tag size)
LED Light indicator	Power, system status	
Compatible OS	Windows 10, 11	
Optional components	Barcode scanner, Smart Card reader, Thermal Receipt Printer, Computer, Webcam	

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