HYBRID EM & RFID BOOK DROPBOX

HDB - 2000

Dropbox is designed for libraries to accept book return even after library opening hours.

2CQR's HDB2000 features flap mechanism. Only authorized book can be returned. As the book is shown, based on the validity the flap operates.

DETAILS:

- Drop box will allow the books if it is valid item, then flap will open ad book stop on rfid reader in slider after reading its moved to bin.

- The drop box is aesthetically designed and complied with internationally recognized standards for RFID based self-return system and having mechanism to disarm RFID tags.

- If there is fine on the book, library can stop the user from returning the book, with the help of flap mechanism

- Drop box will be able to accept all types of library's RFID tagged items.

- If the item does not belong to the library, Drop box will not accept the item.

- High Speed Thermal Slip Printer along with e−mail to the user upon return.

- Two Readers used in dropbox, one is operating the flap and control books and another for returning the book. Receiving Cart with springboard having good quality wheel for easy movement.

- Small Form Factor/ Industrial Branded PC with SSD/HDD.

- The Book Return Station will show returned books on the screen.

- 24 hours in operation, Roller with 80rpm motor and 75kg torque and also Webcam to record the user transacting

- Hybrid book dropbox will activate EM strips as they are pushed inside

  the dropbox. Two ISO 15693 RFID readers with EM desensitizer

- The Dropbox integrated with most of Library Management Software(LMS) through SIP2/NCIP.

SPECIFICATIONS:

Parameter	Technical Specs
Operating Frequency	13.56 MHz
Power Supply	180-230V Ac; 50 Hz
Power Consumption	1.2W minimum, Maximum 30W
Transmitting Power	1W minimum
Read Range	upto 35cm, drop one by one
Antenna	Internal and External
Communication Interface	USB/RS232/Ethernet / IP
Supported Transponders	ISO 15693 and ISO 18000:3
Indicators	LED / Buzzer for read verification etc.
Operating Temperature	-10°C to +70°C
Housing Material	Metal, Acrylic
Weight	300 Kg approximately
Packaging Material	Wood
Optional	UPS Online backup of Min 4 Hrs

SOFTWARE:

Software OS	Windows 10

MECHANICAL DIMENSIONS:

Dimensions(mm)	
Dropbox	1450 x 900 x 1350
Bin	540 x 600 x 630