

PROJECT TITLE: SUPPLY, DELIVERY AND INSTALLATION OF EQUIPMENT FOR THE IMPROVEMENT OF INTEGRATED LIBRARY SYSTEM AT BPSU MAIN CAMPUS

1. SECURITY MODULE

1.1 HARDWARE

1. Single Lane RFID Security Gate
2. Operating Frequency: 918Mhz – 920Mhz (Philippines UHF RFID Standard)
3. Detection Range up to 180cm
4. Complies with EPC Class 1 Gen 2 / ISO18000-6C
5. Network Independent
6. Integrated with a CCTV Camera
7. With audible and visible Alarm Indicators
8. Enhanced 3-Dimensional Detection
9. Two (2) years Warranty on Parts and Labor

1.2 SOFTWARE

1. Alarm and identify multiple tags of items not properly out
2. Capable of detecting multiple tags with no particular angle or orientation
3. Generate reports of patrons going IN/OUT of the library
4. Shows Book Barcode and Book Title in real time when alarm is triggered.
5. Support report and statistic
6. Complied to SIP2 Protocol with any Library Management System
7. Captures Alarm Image taken with time stamp
8. Patron Count (Numerical and Graphical Statistics of Entry and Exit)

2. RFID BOOK TAGS

1. Frequency: 918Mhz – 920Mhz (Philippines UHF RFID Standard)
2. Tag Protocol: EPC Class 1 Gen 2, ISO-18000-6C
3. Tag Antenna Dimension: 135 x 7 mm
4. Memory: 512 Bits
5. Transmission: Passive
6. Finishing: Double-Sided adhesive with tail label
7. Provide identification and security in single tag
8. Rewritable 100,000 times
9. Data Retention: 10 years

3. CIRCULATION AND TAGGING MODULE

3.1 HARDWARE

1. RFID Library Management Station (LMS) Pad-Type
2. Barcode Reader
3. Receipt Printer
4. Frequency: 918Mhz – 920Mhz (Philippines UHF RFID Standard)
5. Read Range: up to 25cm
6. Complies with EPC Class 1 Gen 2/ ISO18000-6C
7. Interface: USB/RS232/Ethernet
8. Two (2) Years Warranty on Parts and Labor

3.2 SOFTWARE

1. Read/Write UHF RFID Tags
2. One-Click operation for Tag Identification and Security Code
3. Activate/Deactivate Security Code
4. SIP 2.0 Compliant for connectivity to any library system
5. Multiple Books Reading – capable of reading multiple books during Circulation
6. Supports Unicode Text Format
7. Report Statistics on Books Check IN/OUT
8. Export reports in word, excel, CSV or PDF Format
9. Anti-Collision Function

4. OTHER REQUIREMENTS

1. Installation, training, implementation and after sales consultation
2. Hardware and Software Support
3. Delivery: 90 Days
4. Two (2) years warranty on parts and labor NTC Vendor Permit (Philippine Standard Requirement)
5. NTC Type-Acceptance Certificates (Philippine Standard Requirement)
6. Must have at least 3 RFID Installation Sites
7. Must have integrated its RFID Devices with at least 3 different Library Systems (Koha, iLIB, Destiny, Liberty, etc.)
8. Provide User Manual
9. Provide Training Certifications