MCR04-W is a programmable 13.56MHz RFID Card Reader&Communication Terminal Device with Wi-Fi/Bluetooth connectivity, color TFT screen and high security protocols (such as HTTPS, MQTTS, TLS/SSL) supportability which can be used in Access Control, Personnel Attendance Control Systems, Closed-Loop Payment Systems, Telemetry&IoT applications etc.

Besides the device also includes Vibration(3D Accelerometer), Air Quality, Temperature and Humidity sensors for IoT and Smart Industry applications.

The terminal device can be produced as an OEM product for system integrators and also the SDK of the product can be licensed.

Technical Specifications:

- 3.5" 320x240 Pixel Color TFT LCD
- Multi-Language/Font (UTF-8) Support
- QR Code (on Screen) Support
- RFID 13.56 MHz ISO/IEC 14443 A/B Contactless MIFARE Card Reading
- Contactless Card Standards: NFC ICODE®, ISO/IEC 15693, ISO/IEC 18000-3, FeliCa
- IEEE 802.11b/g/n Wi-Fi & Bluetooth 4.2
- Internal Relay (x2)
- Digital Input (x2)
- Easy Configurability&Control on Network (with *miFinder* Application)
- Internal Bootloader
- OTA Update
- Internal FTP/Web Server
- Online/Offline Operation
- 2x 16MB Flash Memory (Internal)
- *8GB uSD Memory* *****

- TLS/SSL, MQTT, MQTTS, HTTPS Support
- RS232/485 Communication Ports
- Vibration (3D Accelerometer), Air Quality, Temperature-Humidity Sensors
- *3500 mAh Rechargeable Industrial Li-Ion Battery *
- *10/100 Mbps Ethernet Connection *

Optional Units

Application Areas:

- Access Control
- Cashless and/or Closed Circuit Payment Systems (Mass Transit Systems, Campus Card, Cafeteria, etc.)
- E-Ticket Applications (with Turnstile & Barcode reader)
- Reservation and Registry System
- Electric Charging Stations
- Smart Home & Building Automation
- Vending & Kiosk Automats
- RFID & Automation HMI Operator Panel
- Object Tracking & Detection (ICODE etc.)
- IoT Gateway & Indoor Monitoring & Tracking
- Telemetry Monitoring & Tracking Display