



MCR08 is a multi-purpose, programmable RFID Card Reader & Communication terminal usable in Access Control, Closed Circuit Payment Systems, Telemetry & IoT, Automation, etc

Terminal is also provided as OEM module for system integrators.



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
- Smart Home & Building Automation
- Vending & Kiosk Automats
- Telemetry Monitoring & Tracking Display



Ethernet Connection

With web service or TCP/IP connection, can query a contactless smart card from a server, can write messages on the LCD display via sent response packages, create an audio alarm and control mechanical systems such as turnstiles, doors, etc.



Barrier and Turnstile Control

With relay output and optically isolated input, can directly control turnstiles and barriers, read access info and transmit when needed. Connects to additional systems through RS232 and RS485 connection.



MIFARE® Standard

Performs read and write processes of MIFARE® Classic 1K, Plus, DesFIRE and Ultralight cards rapidly and reliably. Supports static and dynamic encoding.



Closed Circuit Payment

Performs validation procedures such as payment, credit deduction, time and day controls. Manages permitted and banned cards with Whitelist and Blacklist feature.



KEY FEATURES

- 4.3" TFT Capacitive/Resistive Touchscreen
- 13.56 MHz Contactless MIFARE®/NFC/RFID Reader
- Ethernet
- PoE (Requires Additional Hardware)
- Online/Offline Operation
- Easy Configuration & Control Over Network
- Internal Relay & Digital Input



TECHNICAL SPECIFICATIONS

Read/Write	MIFARE®, ISO14443A/B Classic, DESFire, Plus and Ultralight Contactless Card Read/Write ISO/IEC 15693* ISO/IEC 18000* (ICODE) 50 ohm External RFID Antenna Output Port	Processor & Memory	32-bit ARM Cortex CPU 8 GB Internal microSD 1 MB Internal NOR Flash Memory 128 KB FRAM*
Display	4.3" TFT Capacitive/Resistive Touchscreen LCD Display	Input/Output	Relay Outputs (1.5A Dry Contact) (x2) Optically-Isolated Digital Inputs (x4)
Communication	Ethernet 10 Mbps Integrated TCP/IP (UDP,ICMP, FTP, NTP, Ping) Software Cluster RS232 Port (300-115200 Baud) RS485 Port (300-115200 Baud) USB 2.0 (VCOM, HID)	Additional Specifications	Offline Operation Mode Battery Backup Internal Real Time Clock (RTC) Real Sound Output (Internal Amplifier and Loudspeaker) LED Indicators (x4)
		Size	132 X 150 x 30 mm
		Power	6-35V DC Operating Voltage PoE (with PoE Injector Hardware)
		Environmental Conditions	-20 °C ...+70 °C (Industrial Operating Range) -30 °C ...+80 °C (Storage Range)

* Optional