



MCR05 is a multi-purpose, programmable, fully Online, 13.56 MHz RFID Card Reader terminal usable in Access Control, PACS applications. Enables connection to a remote server by using standard Socket (TCP, UDP) or Web (HTTP, ASP, PHP, etc.) through internal TCP/IP software cluster. Server can control units of terminal such as LCD Display & Buzzer and Relay.

The terminal also supports read/write and programming of cards with MIFARE® and ISO14443A standards in PC (Windows/Linux/Mac) environment with USB, RS232 or RS485 communication options.

Terminal is also provided as OEM module for system integrators.

Application Areas:

- Access/Time Control
- Personnel Attendance Control Systems
- Cashless and/or Closed Circuit Payment Systems (Mass Transit Systems, Campus Card, Cafeteria, etc.)
- Card Reader/Programmer



Ethernet Connection

MCR05 can perform TCP/IP connection via Ethernet, perform instant data and file exchange by connecting to advanced services such as socket, HTTP Web Service and FTP.



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

- 13.56 MHz Contactless MIFARE /RFID Reader (4-Byte, 7- Byte UID Support)
- 3.3" 128x64 Pixel Blue-White Monochrome LCD Display
- Ethernet
- PoE *(Requires Additional Hardware)
- Online Operation
- Easy Configuration & Control Over Network
- Internal Relay & Digital Input
- Card Reading/Programming Over USB /RS232 /RS485



TECHNICAL SPECIFICATIONS

Read / Write MIFARE® ISO14443A
10cm Contactless Reading Range
Classic, Plus and Ultralight
Contactless Card Read/Write

Display 3.3" Graphic LCD, 128 x 64 Pixel
LED Backlight Blue-Write Display

Communication Ethernet 10Base-T
Globally Unique MAC Address
Integrated TCP/IP Stack
TCP/IP Client-Server Roles
UDP Support
DHCP/Static IP Operation
ICMP Ping Support
Remote Configuration with
miFinder Software over Local
Area Network
USB 2.0
RS232 Port (300-115200 Baud)*
RS485 Port (300-115200 Baud)*

Processor 32-bit ARM Cortex CPU

Memory 1MB Built-in Flash E2prom

Input/Output 2x Relay Outputs (1.5A Dry Contact)
4x Optically-Isolated Digital Inputs

Additional Specifications Online Operation Mode
Battery Backup Internal Real Time
Clock (RTC)
Buzzer Audio Alert

Power 6-35V DC Operating Voltage
PoE (Power Over Ethernet) Feature
(with PoE Injector Hardware)*

Environmental Conditions -30°C ... +75°C Operating Range
-40°C ... +85°C Storage Range

Size 115 x 83 x 32 mm

*Optional