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MCR04-G
RFID & Access Control Terminal

MCR04G s a multi-purpose, programmable 13.56 MHz RFID Card Reader & Communication terminal usable in Access Control, PACS, Closed Circuit Payment Systems, Telemetry & IoT, Automation, etc. Compared to the MCR04 series, it has a large memory structure and supports rich communication technologies such as PoE Ethernet and GPRS / Wi-Fi / Bluetooth.

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.)
- Smart Home & Building Automation
- Vending & Kiosk Automats
- IoT Gateway & Indoor Monitoring & Tracking
- Telemetry Monitoring & Tracking Display

GSM / GPRS and Ethernet Connection

MCR04G can make TCP / IP connection over GSM / GPRS and Ethernet and can exchange instantaneous data and files 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.

MIFARE® Standard

Performs read and write processes of MIFARE© Classic 1K, 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.

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⚝ 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 IEEE 802.3af

- Internal GSM / GPRS / 2G Modem or IEEE 802.11 b/g/n Wi-Fi + Bluetooth 4.2 Communication

- Online/Offline Operation

- Easy Configuration & Control Over Network

- Internal Relay & Digital Input

- Software Development Kit for System Integrators

⚒ TECHNICAL SPECIFICATIONS

Read-Write	MIFARE® ISO14443A (B*) 5cm Contactless Card Reading Range Classic, Plus and Contactless Card Read/Write 50 Ω External RFID Antenna Output Port
Display	3.3" Graphic LCD 128 x 64 Pixel Resolution LED Backlight Blue-Write Display
Communication	Ethernet 10/100Base-T Integrated TCP/IP (UDP,ICMP, FTP, NTP, Ping) Software Cluster Internal GSM/GPRS 2G Modem* Internal Wi-Fi IEEE 802.11 b/g/n and Bluetooth BLE 4.2 Modem* Remote Configuration with miFinder Software over Local Area Network

RS232 Port (300-115200 Baud)* RS485 Port (300-115200 Baud)* |

Processor	32-bit ARM Cortex CPU
Memory	8 GB Internal microSD Memory 1 MB Internal Memory
Input/Output	2x Relay Outputs (1.5A Dry Contact) 4x Optically-Isolated Digital Inputs
Additional Specifications	Online/Offline Operation Mode Battery Backup Internal Real Time Clock (RTC) Internal Re-Chargeable Battery* Buzzer Audio Alert 2 LED Indicators*
Power	6-60V DC Operating Voltage PoE IEEE 802.3af
Environmental Conditions	-30°C ... +75°C Operating Range -40 °C ... +85 °C Storage Range
Size	110 X 76 x 27 mm

* Optional