

MCR01

Access Control Terminal



MCR01 is a multi-purpose, programmable, 13.56 MHz RFID Card Reader terminal usable in Access Control, Personnel Attendance Control Systems, etc. applications.

The terminal also supports read/write and programming of cards with MIFARE® and ISO14443A standards with Wiegand, RS232 or RS485 communication options. MCR01 also be integrated with other MCR family terminals.

Application Areas

- Access/Time Control
- Personnel Attendance Control Systems
- Card Reader/Programmer

Serial Communication

RS232 / RS485

Can connect to panel or computer. Multiple reader array connection to panel is available via RS485. Can work in compliance with current panels via Wiegand output.

Wiegand Support

Can be directly integrated to classic type input-output and Personnel Attendance Control Systems with Wiegand protocol support.

MIFARE® Standard

Performs read and write processes of MIFARE® Classic 1K, DESFire and Ultralight cards rapidly and reliably. Supports structures such as card, keychain, tag, etc.

Outdoor Performance

MCR01 can work in outdoors with isolated version without being affected by water and dust.



KEY FEATURES

- 13.56 MHz Contactless MIFARE / RFID Reader (4-Byte, 7-Byte UID Support)
- Connectivity to Access Control Panels
- Ability to Send Card Information Over Wiegand / RS232 / RS485
- Led & Buzzer Control Over Panel
- Epoxy Isolated Production for Outdoors



TECHNICAL SPECIFICATIONS

Read-Write MIFARE® ISO14443A (B*)
Classic, DESFire®/Plus and
Ultralight Contactless Card
Read/Write

Processor 32-bit ARM Cortex CPU

Communication
RS232 Port (300-115200 Baud)
RS485 Port (300-115200 Baud)
Wiegand Support

Additional Specifications Audio Alarm (Buzzer)
LED Indicator

Power 5V DC*
6-18V DC Operating Voltage

Environmental Conditions -40°C ... +85°C Industrial Operating
Range

*Optional