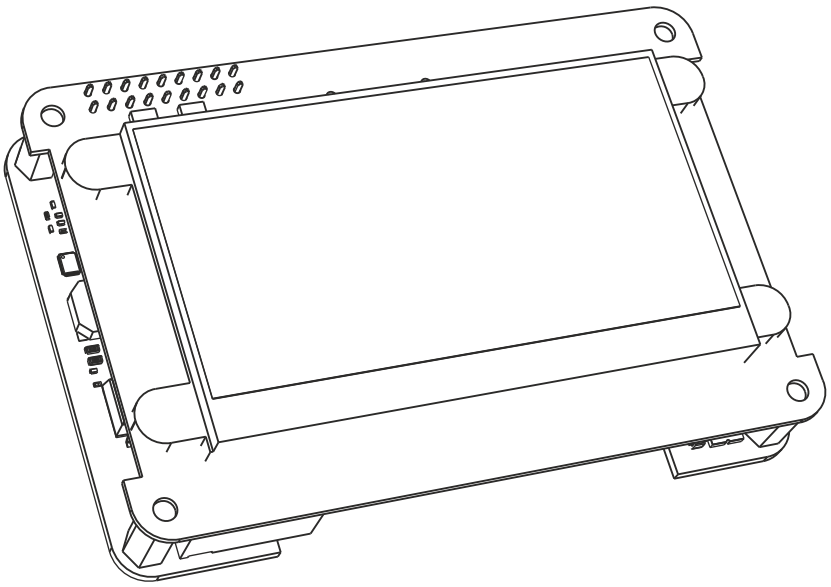
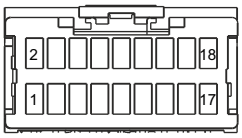
DOC NR 181015001 V1.0

# MCR04-G contactless MIFARE® card reader



**Connector Pinout**




| | |
|---|---|
| 1- RS485 A | 2- OUT 1B |
| 3- RS485 B | 4- OUT 1A |
| 5- GND | 6- COM 1A |
| 7- Console RX | 8- OUT 2B |
| 9- Console TX | 10- OUT 2A |
| 11- RS232 RX | 12- COM 2A |
| 13- RS232 TX | 14- V I/O |
| 15- GND | 16- EXT IN1 |
| 17- AUX PWR | 18- EXT IN0 |

## Description

MCR04-G is an 13.56MHz RFID & communication terminal designed to be used in Access Control/ Attendance Control/Contactless Payment systems.

MCR04-G has number of communication options such as GSM/GPRS, Ethernet, WiFi, Bluetooth 4.2 and serial ports. It has larger device memory compared to standard MCR04 series and also supports SD cards for bulk storage.

Specifications

- 3.3" 128x64 Pixels Blue-White MonoChrome LCD Screen
- 13.56 MHz Temassız MIFARE/RFID Okuyucu
- Ethernet & PoE
- Internal GSM/GPRS 2G Modem
- IEEE 802.11 b/g/n WiFi
- Bluetooth 4.2
- Internal Relay & Digital Input
- Simple configuration and control over the network
- Online/Offline Modes
- SDK for system and device integrators

Applications

- Access Control
- Attendance and Time Control
- Cashless Payment Systems (Campus Cards, Prepaid Close Loop Shopping etc.)
- Smart Home/Building Automation
- Vending Machines & Kiosks
- IoT Gateway & Indoor Tracking
- Telemetry Monitoring

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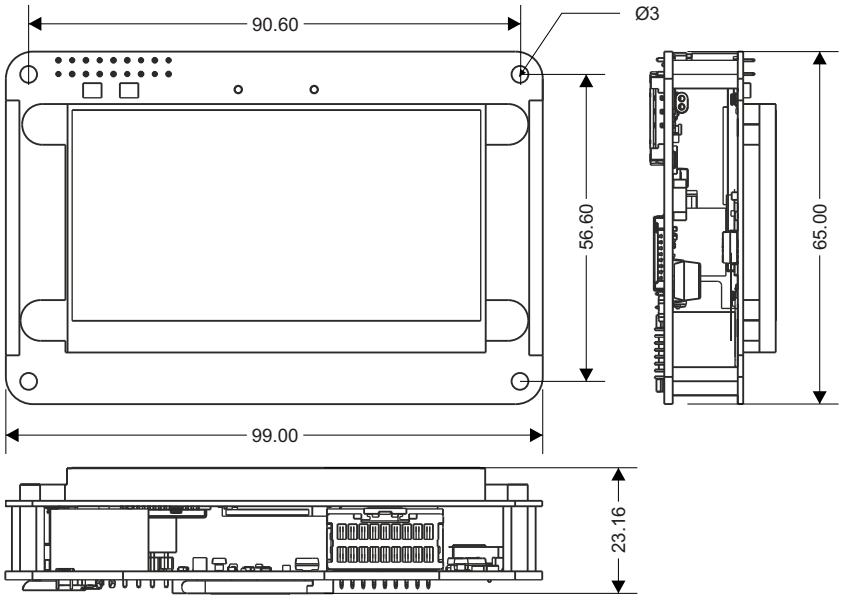
## Dimensions (mm)




## Technical Specifications

- MIFARE® ISO14443A (B*)
- 5cm Contactless Reading Distance
  Classic, Plus and Ultralight Read/Write
- 50 ohm External RFID Antenna Port
- 3.3” Graphical LCD, 128 x 64 Pixels
  LED Blue-White Backlight

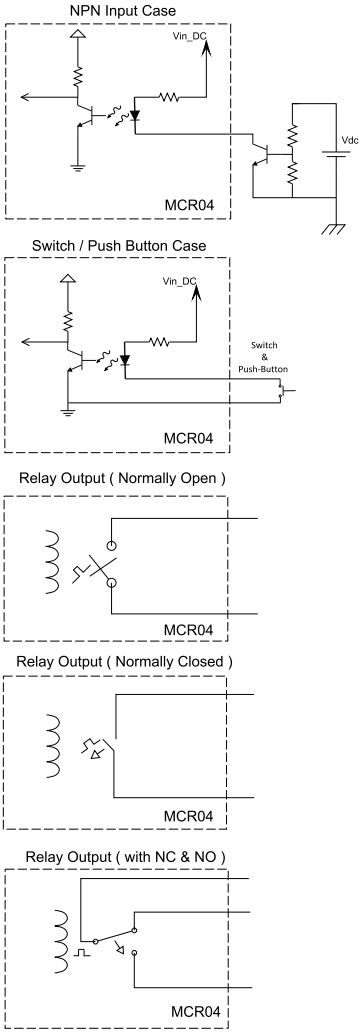
- 32-bit ARM Cortex High Performance CPU
- 8 GB Dahili uSD Memory
  1 MB Dahili NOR Flash Memory

- Ethernet 10/100 Mbps
  Integrated TCP/IP ( UDP,ICMP, FTP, NTP, Ping ) Software Stack
- Internal GSM/GPRS 2G Modem*
- Internal Wi-Fi IEEE 802.11 b/g/n / Bluetooth BLE 4.2 Modem*
- Remote configuration over the local area network
- RS232 Port (300-115200 Baud)*
  RS485 Port (300-115200 Baud)*

- Inputs & Outputs ( See Schematic Section For Details )
  2xRelay Outputs (1.5A Dry Contact)
  4xOpto-isolated digital inputs

- Built-in Real Time Clock (RTC) with Battery Back-up
- Online & Offline Operation
- Internal rechargable battery*
- 2 LEDs*
- Buzzer Audible Tones
- 6-35V DC Operational
  PoE IEEE 802.3af
- -40 °C … +85 °C Industrial Operating Temperature

## Input / Output Schematics




## Ordering Information

MCRXX X-XXX-OEM

- XXX: U : USB Port; E : Ethernet Port; R3 : RS232 Port; R4 : RS485 Port; RL : Relay (2 for dual Relay)
- X: A : Without LCD; L : With LCD
- XX: 04-G : Family Code

OBSERVE PRECAUTIONS FOR HANDLING ELECTROSTATIC SENSITIVE DEVICES

RoHS CE

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