

MCR08M RFID/NFC Mobile Terminal

MCR08M R 1.0
Feb. 20, 2022

Key Features

Frequency	13.56 MHz
Interface	LTE/4G
Standards	ISO14443A/B, ISO15693
Supported Cards & Transponders	MIFARE® Family NTAG I-Code
Antenna	Internal
Battery	7200mAh



1 DESCRIPTION

MCR08M mobile RFID-Terminal is equipped with a state-of-the-art LTE Modem and capacitive touch display. Screen configurations can be defined in JSON files and updated/synchronized via FTP. Scanned RFID card UIDs will be sent to the server immediately and the terminal can retrieve display or buzzer commands. If the connectivity fails, all scanned UIDs will be stored in the memory with timestamp and sent to the server after the terminal goes online again.

The terminal will go into sleep mode after 15 minutes of inactivity. This way, the internal battery will power the terminal for several weeks. At power-up, the terminal is online in about 30s. During this time, cards can be scanned (offline mode).

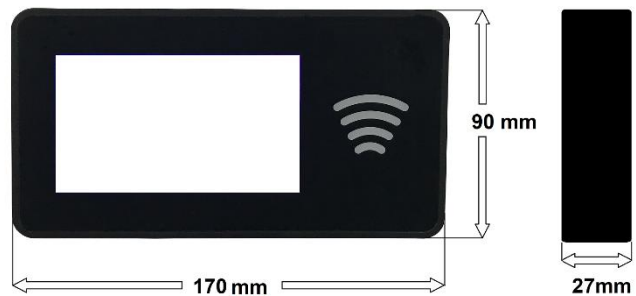
2 ELECTRICAL

SYMBOL	PARAMETER	MIN	TYP	MAX	UNIT
Battery	7200mAh Li-Ion	-	3.6	-	V
VIN	Input charge voltage Vin	+8	+12	+36	V
IIN	Input charge current (VIN=+12V)	-	500	-	mA
VR	Maximum Reverse Voltage	-	40	-	V
TA	Ambient Temperature Range	-20	-	+80	°C
MTBF		500.000h			

3 FEATURES

- Battery operated mobile device
- 4.3" TFT color LCD
- 480x272 pixel IPS
- Capacitive touch screen
- 4G LTE interface
- Full NFC support
- FTP client for synchronization
- 2x16 MB memory
- Buzzer and real time clock
- Bootloader for firmware update
- +8V to +36V DC charge supply
- -20 to +80 °C ambient Temperature

4 DIMENSIONS



5 ORDERING CODES

ARTICLE NR:	Ethernet	HF	LF	HITAG	MDB	2G	4G
MCR08-M000		X					X

