

Handheld Mifare Card reader



MFR120 is a Mini portable battery-powered **Mifare/Felica** UID reader with LCD and built-in real time clock for data collection applications.

MFR120 is designed for Mifare/Felica card data collection anytime and anywhere without computer connectivity.

How does MFR120 work?

The data is read from MFR120 Mifare/Felica UID reader and shown on the display and kept into the memory with time stamp and downloaded to the computer.

Applications:

- Employee's Time/Attendance data collection
- Exhibition visitors' data collection
- Conference attendants data collection
Guard tour monitoring system
- Student attendance data collection

Features:

- 512K bytes memory
- Built-in Real Time Clock (RTC) and back-up capacitor
- Battery-powered portable, small footprint
- Physical reader can read 13.56MHz Mifare/Felica cards
- LCD display (101 x 67 dots)
- Auto off for power saving
- Low battery indicator
- Memory full indicator

Specification:

Model	MFR120	MFR120U
RFID	card 13.56 MHz Mifare standard: 1K, 4K, Ultra light, DESfire 13.56MHz Felica standard	
LCD Status indicator	Green/Red indicator LED	
LCD Display	Operation status & Battery status FSTN 101 x 67 dots	
Memory size	512K bytes Up to 8192 records (32 Bytes/Record)	
Battery power	Single-cell Size AAA 1.5V DC Battery	

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Power supply from cable	DC5V, 200mA, RS232 or USB interface
Interface	RS232, 19200, N, 8, 1, half-duplex
Safety Certificate	FCC/CE
Dimension	L58 X W20 X H47 mm
Environment	Operation temp: 0 to 55 degree C Humidity: 10 to 90% relative
Antenna Connection:	Not required
Frequency:	13.56MHz
Reading Distance:	8 cm maximum, tags dependent
SD Slot:	SD CARD and SDIO function
Transponder Compatibility:	ISO 15693; ISO 14443 A/B
Untouched IC:	ISO/IEC 7816-1/2/3 standard
Audio Function:	Integrated AC97 MC and speaker
PSAM CARD:	Two PSAM Cards supported
USB Function:	USB1.1
Serial Port:	Full Function Uart
Key PAD:	22 Keys available
Power Management:	Dual- Battery System, The exterior battery ~ 1800 mAH. The interior battery ~ 300 mAH
Power supply:	5V charger
Environmental Sealing:	IP54 Standard. Anti-shock / Dustproof
Operating Temperature:	-20 °C -- 50 °C
Storage Temperature:	-25 °C -- 60 °C
Humidity:	10% -- 70%
Size (length/width/height):	140x75x30 mm
Weight:	380 g