

Memor2000  
the hand-held  
terminal with  
processing  
power. Down-  
load registers  
and process  
data in custom  
applications.



# Memor2000 RFID

## 125KHz



### Low frequency tags 125KHz

Memor2000 RFID is available with integral read and write functionality for both low and high frequency tags. The low frequency (LF) model is a "multi standard" unit, supporting all of the most common tags on the market.

The RFID Interface supports read only

tags from the following manufacturers:

- EM Microelectronic Marin (H4001  
H4002, H4003 and H4005)
- Gemplus (series 100)
- Metget (all standard products)
- Sokymat (Unique and Zodiac)
- Temic (e5530)
- ISO-compliant (FDX-B)
- All other tags derived from the above

In addition, read/write tags from the following manufacturers are also supported:

- EM Microelectronic Marin: V4050 and V4066
- Mikron (hitag1 and hitag2)
- Philips (PCF7930 and PCF79736)
- Texas Instruments TIRIS
- Sokymat (Titan and Nova)
- Temic (e5550)
- All other tags derived from the above



 **MINEC**

We make data collection easier



- Memor2000 RFID hand-held terminal
- Memor2000 DS-S Docking Station
- PC-cable
- Software Development Package - Communication Tool
- Software Documentation

## Technical Specification Memor2000

### PHYSICAL CHARACTERISTICS

#### Display

4 lines with 20 characters per line at default cell size. LCD supertwist.  
Active viewing area 56.35 mm x 20.75 mm.  
Dot size 0.42 mm x 0.60 mm.  
Dot pixels 120 dots x 32 dots.  
Cell size 8 x 6 pixels, at default cell size.  
Full graphic capability.

#### Keyboard

With 27 coated rubber keys.  
Alpha characters entered by pressing two adjacent keys.

#### Size and Weight

L: 186 mm H: 27 mm (H: 31 mm display)  
W: 52 mm (W: 77 mm display)  
235 gram (8 oz) incl batteries

#### Operating temperature

-10°C to +45°C

#### Storage temperature

-20°C to +55°C

#### Other

Withstands drop from 1,2 meter (4') onto concrete.  
Conforms to EN 50 081-1 and EN 50 082-1.  
Comply with the limits for a class B digital device,  
pursuant to part 15 of the FCC rules.

### OPERATING CHARACTERISTICS

#### CPU

NEC V25 at 8 or 16 MHz (instruction compatible with Intel's 8088)

#### Operating System

M/2-DOS

#### Memory

SRAM 256KB--2MB containing disk and executing area.  
3 year battery back up on all RAM  
FLASH 256 KB containing disk and operating system.  
FLASH can be erased and programmed in system.

#### Sound

Internal buzzer, programmable frequency and duration.

#### Clock

Real time clock with alarm feature.

#### Power supply

2 AA/R6 Alkaline battery or rechargeable batteries as an option.  
3 to 4 weeks operation in normal use.  
Battery is field replaceable without loss of data.  
Multi stage "battery low" warning system.

#### Input/Output

Built in IR link, serial channel COM1:, normally 19.200 BPS, for connection to communication cradle.

#### Peripherals

- Docking station (CCIR) with RS232 and RS485 connections.  
- Docking station (DS-S) with 2xRS232 connections and battery charging  
- Both models cordless IR connection with the handheld.  
- Standard printers and modems can be connected via docking stations.

### SOFTWARE

#### Software development

By using a Borland C/C++ compiler, application programs can be fully developed and tested on a standard PC. The resulting program is downloaded to Memor2000 where it can be stored on the RAM-disk or on the FLASH-disk.

#### Application generator

An application generator (MPG) is available for the non programmer. With this tool users can easily develop application programs just by defining display pictures and keyboard functions. The MPG runs on a PC.

#### Communication

Communication solutions are available for all types of systems. Well proven solutions for DOS, 16-BIT Windows and 32-BIT Windows.

Minec Systems reserves the right to change this specification without notice

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Patent pending