



## MR350TA Online Data Collection Terminal

The MR350TA is a programmable and versatile data collection terminal. It is designed to deliver all the basic features required for Time & Attendance and Job Tracking applications, avoiding the use of expensive hardware with features that are never used.

### Simple application development

With a DOS-compatible design, developers can use industry standard C compilers to write sophisticated applications. There is no need to learn proprietary languages. Other software development tools include JobGen Pro, a menu-based transaction program generator.

A communication utility allows the user to transfer files and configure the terminal from the PC using a simple interface, and a DLL library for C, C++, Visual BASIC, Delphi and FoxPro is also available at no charge.

The unit's FlashROM allows users to upgrade the firmware on the field. And application programs may be stored permanently in it.

### Convenient slot reader

The MR350TA features a built-in swipe slot, which can accommodate an optional bar code or magnetic stripe reader. This permits the user to choose the technology that results in a cost-efficient system. In addition to the slot readers, the scanner port accepts wand, CCD and laser readers, which are often required in shop floor data collection.

## Online Terminals

### Available accessories:

- Bar code slot reader (internal).
- Single-track magnetic stripe reader (track 1,2 and 3).
- Bar code scanner (CCD, wand, laser diode scanner).
- Internal uninterruptible power supply.
- Desktop / workbench mount kit.
- RS232 to RS485 converter / repeater.
- T-Junction box.
- Internal modem.
- External Ethernet converter.
- JobGen Pro: An application generator for MR350 / MR380 series.



# MR350 TA Online Data Collection Terminal

### User friendly

The MR350TA incorporates a large 2x16 LCD. English and European character sets are supported. The four LEDs are controlled by software and a replaceable insertion keypad can be customized. All these features allow the development of intuitive, user-friendly applications. Furthermore, the optional internal UPS and standard lithium backup battery ensure that data is not lost during a power failure and while the terminal is turned off.

As an added feature, the terminal can send collected data online or store it in a local file for future processing and transfer.

In addition, there is a tamper-proof alarm that will sound off when a person opens the terminal without the security key.

### Wide range I/O interfaces

Two serial ports enhance the connectivity options. Host communications use either the RS232 port or RS485 for multi-point networks, which can have up to 256 terminals. A serial to Ethernet converter permits local area networking.

The MR350TA also provides a TTL output signal to trigger external devices.

### SPECIFICATIONS

#### GENERAL:

CPU	16-bit 8088 compatible microprocessor.
RAM	128 / 256 KB.
FlashROM	128 KB (DOS compatible operating system, Kermit server, setup and diagnostics)
Keypad	20-key industrial membrane keypad with tactile feedback and 7 programmable function keys.
Display	2 X 16 LCD with US/European character sets.
Buzzer	Adjustable volume, software programmable.

#### ELECTRICAL:

Input voltage	13.5V AC / 1A.
Operating current	220mA with backlit on, 85mA with backlit off, all accessories excluded.
Backup battery	3V lithium battery, 190mA, up to 15,000 hours of power down backup for RAM and system clock.
UPS Battery	4 NiCd cells, 600mAH, charge current: 26mA constant current. Allows application to run up to 3 hours during power outage.

#### DECODER:

Scanner Port	Supports: wand, bar code slot reader, CCD, laser diode scanner, and single-track magnetic stripe reader
Symbologies	Reads all commonly used symbologies: Code 39, Interleaved 2 of 5, EAN/UPC, Codabar, Code 128

#### INTERFACE PORTS:

Internal scanner port	6 pin flat connector
RS485	Dsub 9-pin female or terminal block
RS232	RJ11 or terminal block
Phone line	RJ11 or terminal block; for internal modem
TTL output signal	Terminal block connection

#### MECHANICAL / ENVIRONMENTAL:

Dimensions	7.17 x 6.22 x 1.77/2.17" (182 x 158 x 45 / 55mm) LxWx
Weight	Approximately 980g with UPS (2.17 lb.)
Temperature	Operation: 0°C ~ 50°C (32°F ~ 122°F) Storage: -20°C ~ 70°C (-4°F ~ 158°F)
Humidity:	5 ~ 95% RH (non-condensing)
Housing:	ABS & Polycarbonate plastic front cover and metal back plate