



MR350_{MKII}

Versatile Data Collection Terminal



MR350MKII is a rugged

Versatile, yet affordable data collection terminal that supports a wide range of input devices, including bar code slot reader, magnetic stripe reader and proximity reader.

The optional built-in Ethernet board provides enhanced connectivity via TCP/IP, allowing the MR350MKII to be part of your local or wide network. Serial RS232 and multi-point RS485 connections are standard. Also, an optional internal modem board may be added for remote communications.

The terminal's multiple I/O ports and interfaces make it an ideal solution for complex systems. Two relay outputs control external devices such as doors and bells, and four photo-coupled inputs provide sensing of alarms, motion sensors or counters.

There is a secondary scanner port to add external readers. The durable keypad is user replaceable and can be customized according to a personalized design.

The MR350MKII is DOS compatible

meaning it can run programs written using Microsoft® C++, Turbo C, and Borland® C compilers. A free DLL library for C++, Visual BASIC, Delphi and FoxPro is also available upon request. Simple applications can be generated with JobGen Pro, our application development tool.

The MR350MKII's features and affordability make it ideal for various environments and applications, such as Time & Attendance, Loyalty Programs, Security Patrol, Access Control and Work-In-Process applications.



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Specifications

Memory Operating System

CPU	16-bit 80188 instruction compatible microprocessor
RAM	512 KB
ROM	256 KB FlashROM stores BIOS, Kermit server and application
Keyboard	20-key insertion template type membrane keypad with tactile feedback including 7 programmable function keys and 4 programmable LED indicators
Display	2 x 16 backlit LCD with US/European character sets
Buzzer	Adjustable volume, software programmable

Power Manager

Input Voltage	+13.5V AC/800mA
Operating current	400mA with backlit on, 65mA with backlit off, all accessories excluded @ 5V
Backup battery	3V, lithium battery, 190mAH, up to 15,000 hours of power down backup for RAM and system clock
UPS battery	4 NiCd cells, 600mAH, charge current: 25mA constant current Allows application running up to 8 hours during power outage

Scanner

Scanner port supports	Wand Slot reader CCD and Laser diode scanners Selectable built-in Barcode Reader Magnetic Stripe Reader Proximity Reader Secondary barcode magnetic proximity reader can be connected to terminal block
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Barcode

Barcode decoder	Reads all commonly used symbology: Code 39, Interleaved 2 of 5, EAN/UPC, CODABAR, Code 128
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Input / Output & Connectors

Badge/Weigand	9 pin flat connector (built-in type) or terminal block
Barcode scanner	Dsub 9-pin male connector or terminal block
RS485/Ethernet	RJ45 female
RS232	RJ11 or terminal block
Phone jack	For built-in modem, exclusive with RS485 port, RJ11 or terminal block
Two relay outputs	270V AC/2A on terminal block
Four photo-coupled inputs	Terminal block

Physical and Environment

Dimensions	182mm (L) x 158mm(W) x 45mm/55mm(H) (7.17" x 6.22" x 1.77"/2.17")
Weight	Approximately 980g (2.17 lbs with UPS battery)
Temperature	Operation: 0°C to 50°C (32°F to 122°F) Storage: -20°C to 70°C (-4°F to 158°F)
Humidity	5% to 95% RH (non-condensing)
Housing	ABS + PC front cover and metal back plate
Regulatory	CE, FCC



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