

MR550

Mobile Solution



A WinCE Based Time and Attendance Terminal

The Mr550 is a rugged and versatile data collection terminal. With a large 240 by 320 pixels touch screen and the familiar Windows CE Operating System interface, users increase productivity right from the start. And application development is easier than ever.

The MR550 is designed to meet the requirements of Time & Attendance, Loyalty Programs, and Work-In-Progress applications. The MR550 can work either online or offline, storing transactions locally. Multiple I/O ports and interfaces make it the ideal solution for complex systems.

The MR550 features a built-in swipe slot, which can accommodate an optional bar code, magnetic stripe, proximity, or finger print reader. This permits the user to choose the technology that results in a cost-efficient solution.

Main Features:

- WinCE based operating system
- Big touch screen with 240 by 320 pixels resolution
- Built-in barcode, MSR, proximity, or finger print reader
- One PCMCIA type II slot for LAN, WLAN, or WAN
- Speaker audio output
- Microphone audio input
- Two relay outputs
- One digital input
- Two RS232 ports
- Built-in UPS battery for 6 hours operation and 7 days data backup

▶ Performance Characteristics

OS	WinCE 3.0
CPU	Toshiba 3900, 92MHz
RAM	32MB
FlashROM	32MB
Keyboard	6 hard keys: Clock In (F1) Break Out (F2) Break In (F3) Clock Out (F4) Enter (Yes) Escape (No)
Display	320x240 4 gray shades FSTN LED backlight

▶ Power Management

Power Input	13.2VAC, 1.25A
UPS	One rechargeable Lithium-ion battery pack @ 3.7V, 1550mAh
UPS Operating Time	6 hours operation and 7 days data backup

▶ Communication and I/O

2 RS232	One RJ45 supports: DCD, RXD, TXD, DTR, GND, DSR, RTS, & CTS
	One RJ45 supports: RXD, TXD, GND, RTS, & CTS
Relay	Two 270VAC, 2A
Digital input	1 photo coupler
Speaker	Software controlled volume

▶ Expansion

1 PCMCIA type II slot	Memory (user supplied) Modem (user supplied) LAN (user supplied) Wireless LAN (user supplied)
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▶ Barcode Reader

Symbologies supported	China Postal Code Codabar Code 32 Code 39 Code 93	Code 128 EAN 8 / 13 Interleaved 2 of 5 MSI / Plessey UPC A / E
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▶ Magnetic Stripe Reader

Triple track MSR reader

▶ Proximity Reader

125 KHz, EM

▶ Fingerprint Reader

Sensor	AFS-2 AuthenTec
Identification time	-2 seconds
Equal error rate	0.1% at medium security

▶ Programming Tools

Embedded Visual Tools
Embedded Visual Basic
Embedded Visual C++

▶ Physical and Environmental

Temperature	Operation: 32°F to 122°F (0°C to 50°C) Storage: -4°F to 158°F (-20°C to 70°C)
Humidity	5% to 95% RH non-condensing



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