TM 1000

Sophisticated Biometric Data Collection

This unit offers advanced features such as employee lock out, employee messaging at the clock and additional connectivity options, including cellular. The TM1000 offers extended time tracking features such as break and lunch buttons and it can perform job tracking and costing functions when used with TimeMaster's Job Costing module. A magnetic swipe card is the standard selection for this unit, but it can be purchased with a barcode swipe, proximity, biometric, or no card reader if only Direct Keypad Entry is desired.

Hardware Specifications

Dimensions & Weight:8.75" x 8.25" x 1.5", approx. 1.65 lbs.; with biometric authentication module 1.9 lbs

Keypad: 25 keys (1-9, (decimal point), CLEAR, ENTER, MENU, Lunch and Meal/Break Keys, Job Costing and Tracking Keys, Department Transfer Keys, Tip/Gratuity Keys. Key "Click". Selectable by user. If enabled, the clock will emit a short beep with each key press.

Battery Back Up: Optional accessory will keep clock functioning in the event of a power-outage for up to 2 hours. Punch data is kept in nonvola - tile memory indefinitely. (doesn't require power to the clock to maintain data)

Display: LCD text format, 8 lines x 21 characters. Clock can display date in either US (MM/DD/YY) or Euro (DD/MM/YY) format.

Data Entry Options: Magnetic Card Swipe, Bar Code Swipe, Bar Code Wand/Gun, Proximity,

Biometric/Fingerprint, Direct Keypad Entry.
Live Lookup & Messaging: The IQ1000 with Ethernet allows the clock to retrieve company wide/department/employee messages, schedules and last employee time clock entries from Time - Force and displays this information on the LCD panel.

Biometric/Fingerprint Authentication:Award-winning biometric fingerprint reader stores 4000 templates and 1610 employees.

Bar Code Specifications: Print bar codes at 28 pts (height and character). Use only code 39, not code 39 full ASCII. Note: Can use either a barcode slot reader or a barcode wand.

Proximity Card Reader: Proximity is a generic term used to describe cards which can be read when they are in the 'proximity' of the reading device, rather than having to be in direct contact with the reader (such as with the Magnetic Swipe and Bar Code codes). TM readers typically have about a 2-3" read range.
HID Proximity Card Reader:HID 26 bit and 37 bit formats supported
Baud Rate: 9600 or 38400 BAUD
Communication Options: Direct Serial, Modem, Ethernet, Wireless, Cellular.

Serial: The cable must not exceed 200 feet in length. Any cable over 20 feet in length must be shielded. The connector to the computer is a standard DB-9 female serial connector; the end going to the clock must be RJ-12 (6 pin). The physical path of the cable must be as free as possible of electro magnetic interference (EMI) or radio frequency interference. Avoid running cable over or near fluorescent lighting, electric motors, or UTP network cable bundles.
Modem: 33,600 BAUD modem, MNP5 Error correction, standard Hayes command set. Modem use requires an analog phone line.

Ethernet: 10/100 Autoswitch Ethernet connection. IP address and Subnet mask can be set by the

user to any value. Standard 10/100 Base I (RJ-45) connector, activity and connection LEDs.
Wireless Ethernet: Supports the following communication protocols: 802.11 a and b. Clock must be installed less than 100 feet from the wireless access point.
Cellular: GSM Network Type. Supported Providers: T-Mobile and ATT. Required Plan: T-Mobile SOC TMI5AVPNM. ATT: Laptop Connect Unlim-ited. An external facing IP address that is acces-sible from the Internet is also required.
Storage Capacity: 16,000 entries. Supports automatic polling of clock data. In addition, IQ1000 with Ethernet connectivity can be configured to push data to the server.

Optional Accessories:
Receipt Printer: prints a receipt confirmation of an employee punch time.

Extreme Weather Operation Chip: allows the clock to function reliably in temperatures down to minus 40 degrees F. Not recommended with biometric/fingerprint authentication module.

Optional Bell/Buzzer Relay: This option will en - able the clock to send a signal to ring a bell or buzzer (such as a bell for meal breaks). Up to 32 relay events may be programmed.

Security Door Strike Switch: When this option is enabled, the clock will close a switch contact that can be used to open a door equipped with an electric door strike.

Wiegand: External Wiegand readers (either TM or HID) connect to the IQ1000 clock via a 4 -contact screw terminal. The connections are, left to right, DATA1, DATA0, GROUND and VCC (POWER).

Vehicle Power Supply:Model MW292 car adaptor.
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