

# TA780 Data Collection Terminal

*A Proven Performer with Enhanced Functionality for High Volume Applications!*

## Features:

- Eliminates Manually Generated Time Card Data
- Costs Less Than Other Automated Timekeeping Products
- Links Directly To Your Existing Computer System
- 8 Programmable Function Keys
- Alphanumeric Keypad
- Accept/Reject Tones
- Intergrated Signal Control for Bells and Access
- Four Methods of Background Communications Including On-board Wireless 802.11b
- Magnetic Stripe, Bar Code, Proximity and/or Fingerprint Reader (1:1 Verify & 1: N Identify modes)
- Data Input Validation
- Supervisor mode
- Lockout Scheduling
- Employee Messaging
- Supports Power over Ethernet
- Supports external readers such as Bar Code Wand/Gun or Access Control swipe.
- Integrated Operational Battery Backup



## Power & Flexibility

Time America's TA780 Time & Data Terminal can record employee time, monitor productivity, control access and monitor inventory in a multitude of industries including restaurants, hospitals, health care facilities, banks, manufacturing, retail, hospitality, and many others.

The TA780 functions as a simple to use data collection point for employee information. It can be linked to a variety of existing computer networks in your organization to complement the management information systems you already have in place. By automating your data collection process, you can eliminate the manpower and mistakes associated with conventional time cards thereby reducing both payroll costs and errors.

The TA780 guarantees accurate, reliable input. Employees simply enter information through the TA780's keypad, by swiping a magnetic stripe, bar code, or proximity badge. In addition, the TA780's Biometric capability supports multiple types of fingerprint sensors. Employee feedback is provided through audible accept/reject tones and displayed messages.

Communication between the TA780 and your computer is accomplished by one of Time America's polling and programming utilities or integrated time and attendance systems. The TA780 automatically transfers data to your computer. In turn, the computer is used to program the TA780. Each of the TA780's 8 function keys can be

programmed to ask up to four levels of information. Each piece of information can be validated and stored in the terminal's memory until requested by the host computer. The TA780 can be programmed to prompt employees for data input, display employee messages, validate job costing entries, restrict employee punching via a schedule, regulate employee access to restricted areas, control a bell and much more. The TA780 collects this data and transfers it to your computer via RS232 serial, RS485 LAN, internal dial-up modem or Ethernet communications, whether wired or wireless.

The TA780 is constructed of injection-molded plastic that provides a tough, yet lightweight and attractive case. The TA780's internal battery provides full operation if power is lost.

What kind of data would you like to collect? Accurate tracking and reporting of employee time is essential to determining productivity. The TA780 provides an easy and cost effective means of gathering this type of data. If the data you're after can be mag-stripped, bar coded, proximity encoded, entered through a keypad or biometrically identified, the TA780 can time stamp it, record it, and feed it to your computer, while performing other tasks at the same time. Put the power of automated data collection to use in your business!

## Benefits

- Eliminates the unavoidable errors associated with manually collected data
- Features easy operation
- Provides accurate, reliable data
- Is user programmable
- Links directly to your existing computer system
- Offers a variety of options
- Rechargeable back-up battery enables over 2 hours of full operation during power failure
- Costs less than other automated data collection products

## Product Specifications

Dimensions:	9.8" x 6.7" x 3.7"
Weight:	2.5 lbs.
Memory:	512K RAM, Battery Backed
Reader:	Magnetic Stripe (track 1,2 or 3) Bar Code (3-of-f9, 2-of-5, 128) Proximity Reader (26, 27, 32, 34, 36, 37, 42, 44, 48 and 86 Bits) Fingerprint (1:1 validation or 1:N identification)
Display:	2x16 LCD backlit Alphanumeric with Decimal Point
Programming:	ASCII-based, Over Communication Port
Communications:	Bi-directional Local Communications Via RS232 Port RS485 LAN Optional 14.4 Baud Modem Optional 10/100 Ethernet
Power:	Voltage: 110/230 Vac + 10%, 100mA
Environment:	Operating Temperature: 0–400C (32-752F) Humidity: up to 95% RH

## Available Options

**Ethernet Communications:** With the optional internal Ethernet card, the terminal can be connected to any 10/100 Ethernet network

**Modem Communications:** With the optional internal Modem card, the terminal can be located remote to the host location and dialed up using standard telephone lines at a speed of 14.4 Baud

**Wi-Fi Wireless Communications:** The TA780's wireless card allows the 780 to communicate over a standard 802.11b network. The wireless network must be configured with an IP address, gateway, subnet, and WEP key (if available).

**P.O.E (Power over Ethernet):** The TA780's has the optional capability of drawing its power from the Ethernet communications line (Ethernet line must support POE) This eliminates the need for high voltage power at the terminal location.

**Biometric Fingerprint Reader:** The TA780 can store up to 9,000 Fingerprint templates for biometric verification (1 to 1) or identification (1 to many). The terminal utilizes a High resolution 500 dpi finger template. Sensor options include Optical, or Capacitive.

**External Reader:** The TA780's has two reader ports to connect external devices such as a Bar Code gun or an Access Control Swipe Reader that could be mounted outside a door.

## Features

**Eight programmable functions:** Each function key can be programmed to collect up to four items of data, plus the initial employee I.D. and time stamp. For example, after swiping his identification badge, an employee could press function key 2 and be prompted to input a work order number, part number, and then prompted to input a quantity

**Durable Construction:** The TA780 is constructed of injection molded plastic, which, pound for pound is stronger than steel, yet lightweight and attractive. The terminals have a dome membrane keypads, which create a watertight seal against external elements, including a spilt cup of coffee. Also comes with an integrated wall-mounting bracket.

**2x16 Character LCD Backlit Display:** The terminal comes with a highly advanced filtered LCD display. This means that under almost any lighting condition the terminal will give you a clear picture. The terminal supports characters such as <space>.

**Battery backed memory:** The terminal contains a rechargeable back-up battery which provides over 2 hours of full operation during power failure. A warning indicator light on the terminals keypad alerts you to loss of line power. In addition, the TA780 has an internal Lithium battery keeping your data safe even if the power is out for weeks. The terminal's internal Lithium battery not only holds the memory, but also keeps the time and calendar accurate.

**Data Input Validation:** The TA780 terminal eliminates key stroke errors and increases job costing accuracy by allowing you to download tables of valid entries. When an employee keys or swipes a number, it is compared to the numbers you downloaded for validity. The terminal will correspondingly reject and accept entries, while optionally displaying the particular item name. Employees may also be restricted from entering unauthorized departments on an individual basis.

**Lockout Scheduling:** Eliminate unauthorized overtime by scheduling when employees can use the terminal. With this feature you can; lock out tardiness, out early birds, and force late arrivals and early departures to notify the supervisor in order to punch. You can also control punching by time of day, by day of week and give specific messages to employees as to why they were locked out. Supervisors may be allowed to override a lockout. When used with access control you may set up time schedules for employee access.

**Employee Messaging:** After the employee enters their ID, the terminal can display a 16-character such as the employee's name, hours worked, or location to report to. Messages can be personalized (i.e. "HAPPY BIRTHDAY"), giving your data collection terminal a human touch. In addition, message tables can be accessed through the terminals function keys. These message tables can be used to display information such as the employee's hours, schedule and benefits balances.

**Signal Control:** With the TA780's internal relay, the terminal can control a 30 Vdc, 1 A dry-contact circuit. The signal control relay can be turned on by both a specific employee badge/number for access control or by time of day for bell ringing. The duration time is also programmable.

**Strict Manufacturing Standards:** Time America's TA780 data collection terminals have been tested for optimal reliability. A high MTBF ensures virtually uninterrupted performance. The sealed keypad and the unique agronomical design reduce maintenance costs. The terminals are certified to CE and are manufactured to ISO-9001.

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