

# TA520 Data Collection Terminal

*A Proven Performer That Addresses A Variety Of Data Collection Needs!*

## **Features:**

- Eliminates Manually Generated Time Card Data
- Costs Less Than Other Automated Timekeeping Products
- Links Directly To Your Existing Computer System
- Sturdy Molded Plastic Construction
- 12 Programmable Function Keys
- Alphanumeric Keypad
- Accept/Reject Tones
- Signal Control
- Four Forms of Background Communications
- Magnetic Stripe, Bar Code, Or Optional Proximity Reader
- Data Input Validation
- Supervisor Editing
- Lockout Scheduling
- Employee Messaging
- Transaction Print
- Bar Code Wand/Gun Port



## ***More than Just a Time Clock***

Time America's TA520 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 TA520 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 TA520 guarantees accurate, reliable input. Employees simply enter information through the TA520's keypad, by swiping a magnetic stripe, bar code, or optionally by proximity badge. Employee feedback is provided through audible accept/reject tones and displayed messages.

Communication between the TA520 and your computer is accomplished by one of Time America's polling and programming utilities or integrated time and attendance systems. The TA520 automatically transfers data to your computer. In turn, the computer is used to program the

TA520. Each of the TA520's 12 function keys can be programmed to ask up to six levels of information. Each piece of information can be validated and stored in the terminal's memory until requested by the host computer. The TA520 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, allow supervisor punch lookup/editing, and much more. The TA520 collects this data and transfers it to your computer via RS232 serial, RS485 LAN, internal dial-up modem or optional Ethernet communications.

The TA520 is constructed of injection-molded plastic that provides a tough, yet lightweight and attractive case. The TA520's internal lithium battery keeps your data safe and the time/date accurate even if power is out for weeks.

What kind of data would you like to collect? Accurate tracking and reporting of employee time is essential to determining productivity. The TA520 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 or entered through a keypad, the TA520 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
- Costs less than other automated data collection products

## Product Specifications

Dimensions: 5-1/2" x 6" x 1-1/2"  
Shipping Weight: 5 lbs.  
Memory: 32K EPROM, 32K RAM, Battery Backed  
Microprocessor: Z-80 CPU  
Card Reader: Track Two Magnetic Stripe Reader  
Optional "3 of 9" Bar Code Reader  
Optional External Proximity Reader  
Display: 16-Character Vacuum Florescent Alphanumeric With Decimal Point  
Programming: ASCII-based, Over Communication Port  
Communications: Bi-directional Local Communications Via RS232 Port  
RS485 LAN  
Optional Auto-answer 1200 Baud Modem  
Optional External Ethernet  
Power: Voltage: 120VAC, 60HZ  
Consumption: 10W  
Environment: Operating Temperature: 0-40C (32-104F)  
Storage Temperature: -18-70C (0-158F)  
Humidity: 5% to 90%, Non-condensing

## Available Options

**Signal Control:** With the optional Bell/Access Module and signal control relay, the terminal can turn on a 120VAC 10AMP 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.

**Signal Enhancer:** For noisy environments, this external box has an adjustable piezo buzzer and green/red accept/reject lights that sound/flash in conjunction with the terminals standard accept/reject tones.

**Transaction Print:** With Transaction Print the supervisor can print out, at the terminal, all transactions stored in the terminal, all transactions for one employee, all transactions on a particular date, or print all transactions for one particular function key. In addition the terminal can be programmed to print transactions as they occur.

**Bar Code Wand, Gun, Slot or Proximity Reader:** The terminals standard bar code port allows you to connect an external bar code wand, laser gun, slot or proximity badge reader.

**Operational Battery Backup:** With the addition of the external battery backup, all terminal functions remain 100% operational in the event power is removed.

## Features

**Twelve programmable functions:** Each function key can be programmed to collect up to six 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. Note: data input at each level can be restricted to just the bar code, keypad, magnetic stripe, or any combination.

**Supervisor editing:** Using a special badge, the terminal enters supervisor mode, in which any transaction can be entered for the employee at the time it should have taken place. Supervisor mode also allows you to recall and delete previous employee transactions by date, time and employee number.

**Durable construction:** The TA520 is constructed of an impact resistant plastic, which is pound for pound stronger

than steel, yet lightweight and attractive. The terminals have a silicon rubber keypad, which creates a watertight seal against the outside elements, including those found in a spilt cup of coffee. The TA520 comes with a separate wall-mounting bracket.

**16 Character vacuum florescent display:** The terminal comes with a highly advanced filtered vacuum florescent 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 TA520 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 keeps the time and calendar accurate. With the addition of the optional external battery backup, all functions are 100% operational if power is removed. Once power resumes, the battery automatically recharges. With the Time America terminal, your collected data is no longer at the mercy of the utility company.

**Data Input Validation:** The Time America 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, in answer to your prompt, the entered number is compared to the numbers you downloaded as being valid. The terminal will appropriately reject bad entries and accept valid entries, while optionally displaying the particular item's 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, early birds, and force late arrivals and early departures to notify the supervisor prior to punching. Punches can be controlled by time of day, by day of week and display 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 message such as the employee's name, hours worked, or location to report to. Messages can be customized (i.e. "HAPPY BIRTHDAY"), giving your data collection terminal a human touch.