



# Velocity 850

## Hardware Specifications

This unit is a sophisticated, feature-rich biometric system, with the ability to perform job costing and department transfers. In addition, the Velocity 850 offers extended time tracking features such as break and lunch buttons and multiple pay rates. It offers a four-line, backlit LCD display with prompts for entries.

**Dimensions & Weight:**  
8" x 5" x 2", approx. 1.65 lbs.

**Keypad:** 25 keys (1-9, (decimal point), CLEAR, ENTER, MENU, Meal/Break Keys, Job/Task Keys, Tip/Gratuinity Keys). Key "Click" selectable by user. If enabled, the clock will emit a short beep with each key press.

**Battery Back Up:** on-board battery supplies 20 days backup and ~100 years for stored data. Stored data uses nonvolatile memory.

**Display:** 3" x 1" LCD capable of displaying 4 lines of 20 characters each. Clock can display date in either US (MM/DD/YY) or Euro (DD/MM/YY) format.

**Data Entry Options:** Award-winning biometric fingerprint reader and direct entry of data via the built-in keypad.

**Communication Options:** Wireless (802.11b/g, direct serial, dial-up modem, ethernet, cellular modem (GPRS))

**Real-Time or "Push" Capability:** Immediately delivers critical employee punch activity to supervisors. If network is unavailable, clock continues to function and store punch activity. Once connection is restored, data will immediately be pushed to TimeForce.

**Wireless:** Uses the 801.11b/g protocol for robust signal strength. Clock must be within range of your wireless base station. Depending on location and environment, the range is between 10-150 feet without external antennas.

**Serial:** Transfers data to the pc at a rate of 38,400 Baud over a cable, not to exceed 200 feet in length. Any cable over 20 ft. 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

electromagnetic interference (EMI) or radio frequency interference. Avoid running cable over or near fluorescent lighting, electric motors, or UTP network cable bundles.

**Dial-Up Modem:** 33,600 BAUD modem, MNP5 Error correction, standard Hayes command set. Modem use requires an analog phone line. Modem can share a line with the use of an optional call processor.

**Ethernet:** 10/100 Autoswitch Ethernet connection. IP address and Subnet mask can be set by the user to any value. Standard 10/100 Base T (RJ-45) connector, activity and connection lights.

**Cellular Modem (GPRS):** GSM Network Type. Supported providers: T-Mobile and Cingular. Required plans: T-Mobile SOC TMI5AVPNM. Cingular: Laptop Connect Unlimited. An external facing IP address that is accessible from the Internet is also required.

**Storage Capacity:** up to 16,000 entries. Supports automatic polling of clock data.

### Optional Accessories

**Optional Bell/Buzzer Relay:** This option will enable the clock to send a signal to ring a bell or buzzer (such as a bell for meal times). 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. This option is mutually exclusive with the bell/buzzer events; only one may be selected at a time.

**Vehicle Power Supply:** Model MW292 car adaptor.

**Additional Fingerprint Template Storage:** expands capacity from 1900 templates to 9500 templates.