



EC200 Basic Fingerprint Employee Time Clock



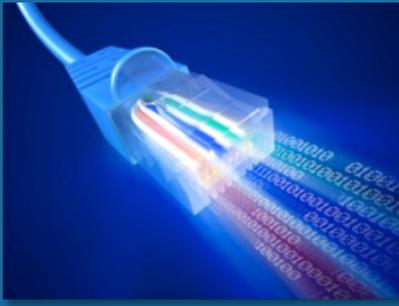
EC200 Time Clock Overview



The Easy Clocking EC200 is our basic edition employee time clock designed for small businesses, with clean environments. With the Easy Clocking state-of-the-art fingerprint authentication technology you can track employee's time and attendance with the touch of a finger. Biometric fingerprint authentication is the most accurate way to collect employee time and attendance information. The Easy Clocking® EC200 verifies an employees identity based on the characteristics of their fingerprint. State of the art technological advances in biometrics have now made this surprisingly affordable and popular. The Easy Clocking fingerprint reading sensor scans any fingerprint in under 1 second; this in turn will make clocking in and out much faster for employees and at the same time saving companies time and money by paying employees for the exact time they work. Companies will also reduce costly payroll and data entry errors caused by the old time card system.

What is the difference between our basic and advanced fingerprint time clocks?

Good question, we call it basic because we use a basic optical fingerprint sensor which uses the same light sensor system used in digital cameras, these type of optical sensors read the outer layer of the fingerprint, under ideal, clean conditions these sensors work just fine, but if the fingerprint is dry, wet, damaged, dirty, or cut you will see a significant failure rate in the identification of employees. In small offices and clean environment optical sensors will do the job. This is why we developed an advanced fingerprint time clock that uses multiple spectrums of light and advanced polarization techniques to extract unique fingerprint characteristics from both the surface and subsurface of the skin. We are able to collect and process fingerprint images in a manner that makes fingerprint authentication and identification more robust, more inclusive and more reliable than other optical fingerprint sensors in the market, which are vulnerable to a variety of conditions including the presence of topical contaminants, moisture, and bright ambient light. Simply stated, our advanced fingerprint time clocks work where other fingerprint technologies fail. Check out our EC200 advanced fingerprint time clock for more details on advanced fingerprint reading capabilities.



Real time "Push" technology

Get up to the minute real time view of your workforce. Easy Clocking time clocks push data to the Easy Clocking software as it happens to give you a real time view of your employees time & attendance status. Our time clocks communicate seamlessly with our software, all you need is an ethernet connection

Large Color LCD Screen

The large easy to read full color LCD screen displays the current time, when clocking in or out the screen displays the employee name and the large LED bar light provides employees with a instant good (green) or bad (red) punch indications with voice prompt.



Standalone operation

Unlike most of the time clocks sold today the Easy Clocking EC200 is a wall mounted standalone device and does not require a computer to collect employee time. It stores all employee information in it's built-in memory and up to 100,000 employee transactions can be stored in the EC200 time clock. An internal battery ensures punches stored in the terminal are retained even in the event of a power outage. Internet connection is needed to send data to the web based software.



- ✓ Eliminates "buddy punching" the practice of one worker clocking in out for another.
- ✓ Works well in clean environments .
Good for up to 1000 users / 1:1 or 1:N (5000 Optional).
- ✓ With Real-Time you see who's clocked in and out the moment it happens.
Built in Wi-Fi, no need to run cables (additional cost of \$49.99)
- ✓ Assembled in the USA and used by over 10,000 companies
- ✓ Built in RFID proximity card reader (125 Khz)
- ✓ Ability to Download and upload records using a USB flash memory
- ✓ Does not need a computer to operate, stores 100,000 transactions in it's built-in memory
- ✓ Touch sensing digital keypad
- ✓ Works seamlessly with Easy Clocking time & attendance software
- ✓ IP connectivity for LAN or WAN networks
- ✓ Wiegand 26/34 bit outputs for secure access control
- ✓ Direct door relay, connects to any 12 volt door lock

EC200 Specifications

Size & Weight

Weight : 2 lbs / 0.90 Kg



Imaging System & Biometric Functions

Biometric Technology:	Optical Imaging Sensor
Image Resolution:	500 DPI
Imaging Area:	17.4mm x 13mm
Identification Methods:	1:1 / 1:N (1 to 1 or 1 to many matching)
False Acceptance Rate:	0.001%
False Rejection Rate:	0.0001%
Identification Time:	Under 2 Seconds
Works in Extreme Conditions:	NO
Reads Dry Fingerprints:	NO
Reads Dirty Fingerprints:	NO
Reads Wet Fingerprints:	NO
Reads Elderly Fingerprints:	20-30%

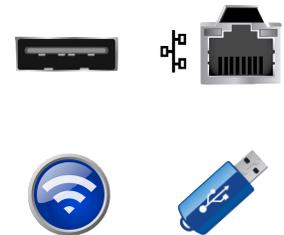
Processor & Memory

Processor:	ARM / 400MHZ
Fingerprint Capacity:	1,000 Standard / 5000 Optional
Records Capacity:	100,000 Records



Communication Interface

USB Flash Download
TCP/IP (For LAN or WAN Networks)
Real Time Data Push
Wiegand - 2 Inputs / 2 Outputs
Built In Wi-Fi (Optional)
Door Sensor Output
Exit Button Output
Bell Schedule Output
Door Lock 12V Relay Output



Power Supply Requirements

Power:	DC 12 Volts
Current (Operational):	0.5A - 1.0A
Current (Idle):	0.50A



Display

Type:	TFT LCD
Color:	Yes
Size:	3.2 inches / 81mm



Door Access Control

Wiegand:	26 / 34 Bit - Input / Output
Door Sensor:	Yes
Exit Button:	Yes
Door Lock Relay:	Connects Directly to Any 12v Electronic Lock Strike / Deadbolt / Magnet / Automatic Doors



Proximity Card System

Card Type:	Proximity EM RFID
Frequency:	125 KHz
Authentication Time:	Less than 1 Second
Mifare 13.56 KHz	Optional
HID / iClass	Optional



Environmental

Temperature(Operational):	14° to 140° F / -10° to 60° C
Humidity:	20% to 80%
Tolerance ESD:	-15000V

