



EC700 Advanced Fingerprint Employee Time Clock





Welcome to the real world

The true test of any fingerprint technology is not how it behaves in the lab or how it behaves under ideal conditions, but how it performs in the real world. For many years now, the promise of fingerprint time clocks has not been fully realized in large part because performance in the lab is not representative of performance in the field.

When a fingerprint time clock fails, for whatever reason, the technology becomes more of a barrier than an aide. The net result is user frustration, resistance to adoption, and an inability to justify costs. Regardless of which fingerprint technology is chosen, it must work reliably under real world conditions. The real world is not always ideal. The real world is wet, it is dry, it is not always clean and users are not all young office workers with great skin conditions.

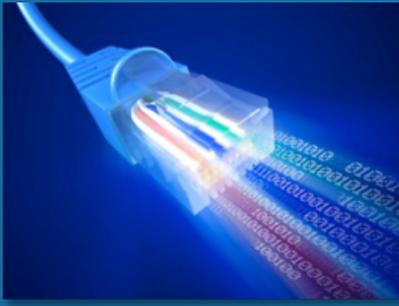


So you ask, how do we overcome these real world challenges?

By reading fingerprint characteristics that are at beneath the surface of the skin. This enhanced data capture mitigates traditional system vulnerabilities and makes our technology the most secure and convenient alternative for identity authentication. Our sensor is 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 fingerprint sensors, which are vulnerable to a variety of conditions including the presence of topical contaminants, moisture, and bright ambient light. Simply stated, our sensors work where other technologies fail.

EC700 vs The Competition

	Wet	Dry	Dirty	Elderly	Ambient Light
					
Our Competitors					No Image



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 EC700 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 EC700 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 in all environmental conditions, cold, dry, humid and wet climates in near zero failure.
- ✓ 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
- ✓ Designed to work in any corporate environment
- ✓ 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

EC700 Specifications

Size & Weight



Imaging System & Biometric Functions

Biometric Technology:	Patented MultiSpectral 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:	0.00001%
False Rejection Rate:	0.0000001%
Identification Time:	Under 2 Seconds
Works in Extreme Conditions:	Yes
Reads Dry Fingerprints:	Yes
Reads Dirty Fingerprints:	Yes
Reads Wet Fingerprints:	Yes
Reads Elderly Fingerprints:	Yes

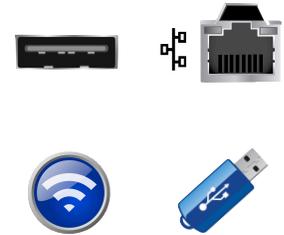
Processor & Memory

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



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



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



Environmental

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

