EC50 Time Clock Overview

The Easy Clocking® EC50 is our proximity card Edition Employee Time and Attendance system designed for small to large sized businesses. With the Easy Clocking state-of-the-art RFID technology you can track employee’s time and attendance with the swipe of a proximity card. The Easy Clocking® EC50 verifies an employees identity based on the proximity card assigned. State of the art technological advances in RFID technology have now made this surprisingly affordable and popular. The Easy Clocking EC50 proximity time clock scans the card 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.

RFID Proximity Card Technology

Tracking employee time and attendance is fast and simple with the Easy Clocking EC50 proximity card time clock. Each employee is provided with a unique RFID badge. To clock in or out, the employee passes the RFID badge near the time clock, and the RFID reader records the time of entry or exit. Data is downloaded from the clock to the administrator on a scheduled or periodic basis, automatically delivering accurate time and attendance records.

Compatible with any Low Frequency EM 125kHz Credentials
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 EC50 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 EC50 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.

- With an automated time attendance system you Pay your Employees for the Exact Time They Work.
- Works well in all corporate environments .
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- 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
# EC50 Specifications

## Size & Weight

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Measurement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Width</td>
<td>5.4&quot; / 137mm</td>
</tr>
<tr>
<td>Height</td>
<td>7&quot; / 180mm</td>
</tr>
<tr>
<td>Thickness</td>
<td>1.8&quot; / 45mm</td>
</tr>
<tr>
<td>Weight</td>
<td>2 lbs / 0.90 Kg</td>
</tr>
</tbody>
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## Processor & Memory

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

## Proximity Card System

- **Card Type:** Proximity EM RFID
- **Frequency:** 125 Khz
- **Authentication Time:** Less than 1 Second
- **Mifare:** EC50-H Model
- **HID / iClass:** EC50-M Model

## Environmental

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

## Communication Interface

- **USB Flash Download**
- **TCP/IP (For LAN o 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