

Time TRONIX Desktop

TimeTRONIX Desktop is a complete Biometrics Fingerprint recognition based Time Attendance package for small and medium size companies with less than 100 employees.

TimeTRONIX Desktop consist of a robust USB Optical Fingerprint scanner connected to your standard office computer (preferably at your reception or at entrance with security personnel) and Time attendance management software loaded on the same or other computer on the LAN.

TimeTRONIX Desktop includes robust Optical Fingerprint scanner with high quality fingerprint scanning and long life. It is not a low cost USB semiconductor scanner which is mainly for personnel use and cannot handle heavy use like in Time Attendance systems.

TimeTRONIX Desktop includes easy to use feature rich Time Attendance management software. This is browser based software with easy to use graphical interfaces and context help. TimeTRONIX software can be installed on a single computer, LAN or Internet.



How it works

Installation

- Plug the USB fingerprint scanner in office computer
- Install drivers
- Install TimeTRONIX software package 1
- Install TimeTRONIX software package 2
- Enter company, department, shift, calendar and other details
- Enter employee information to generate unique ID for each employee
- Register fingerprints of each employee with his unique ID

Use

- Employee enters the office and place his finger on the scanner
- Scanner automatically scan his finger and gives it to the computer Software running in the PC matches the scanned fingerprint with the database of registered fingers to identify the

employee

- Employee is identified and success sound come from the speakers attached to the computer
- Employee IN time is recorded with date and time in the log table
- When employee leaves the office his OUT time is recorded in the same way

Administration

- Administrator imports log data in time attendance software, he may edit few records if required or remove invalid entries.
- This data is then processed further to generate data for reports
- More complex scenarios with lunch IN/OUT, tea breaks, overtime are also supported.
- Reports can be generated and printed using the software
- Data required for payroll can be exported and fed to payroll software

Hardware features

- Fingerprint scanner provides USB interface for fast fingerprint scanning and processing
- It is based on proven optical fingerprint scanning technology with 3D Live finger detection
- Surface of the scanner is scratch-resistant and it is not possible to scratch it even with a blade or nail, this gives good quality fingerprint scanning throughout the life of the scanner. Other scanners even with protective layers develop scratches over time and the quality of scanning degrade.
- Fingerprint processing and matching happens inside the computer with enormous computing and storing capability. This allow fast 1:N matching, multiple fingers per users and many other features not available in most standalone systems. This also allow you to save cost by using your existing office computer.
- Fingerprint scanner has been practically tested with wet fingers, greasy fingers, smeared fingers, oily fingers and gives consistent performance for most practical situations.
- Fingerprint scanner has finger guide which makes it easy for employees to give finger scan

Software features

- TimeTRONIX software is easy to install and use on windows platform.
- You can install it on a single computer or on your LAN server to access it from anywhere in the organization. It is also possible to install it on the web server.
- TimeTRONIX software is developed to offer standard Time attendance features and reports.
- The software has been developed in Active Server pages with large part of the source code kept open to allow experienced administrators and developers to add custom features easily, if required.
- RaviRaj Technologies has a dedicated team to develop and support TimeTRONIX. We intend to develop it into a comprehensive Time Attendance software with support for wide industries, hence we consider integrating custom features free of cost for our clients, if required.

Benefits

- TimeTRONIX desktop eliminates proxy punching, very easy with card based time attendance systems. Card based systems only ensure that the card was punched or swiped and does not ensure physical presence of the person which is a major loophole. Fingerprint system ensure physical presence of the employee.
- TimeTRONIX desktop is developed with needs of small and medium size companies in mind and they will find it more cost-effective compared to card based systems.
- TimeTRONIX help you reduce administrative costs associated with issuing and managing cards, timesheets or attendance registers.
- TimeTRONIX is a robust, reliable and service free system. i.e. its robust design does not require regular servicing and you can depend on it for many years without any hardware problems. its low cost lower your risk of owning costly time attendance equipment.

Benefits Technical Details of Time TRONIX Desktop

Features	Details
Resolution	500dpi
Sensing area	13.6x16.2mm
Dimensions	21(w)x31(l)x59(h) in mm
Encrypted data size	400bytes
Verification time	< 1 sec
Weight	28g
Ambient temperature	-40 to 60oC
Scanner type	Optical
PC interface	USB

TimeTRONIX software details

The Time Attendance Software tracks employees' time and provides a daily reconciliation of time records as reports or for further processing by payroll software. As a result, the software cuts down on administrative time, safeguards from error, and save a substantial amount of money that could have been lost due to mishandled time cards and employees punching in for each other. It is a complete and a cost effective solution for T&A and security.



- Prepare employee muster
- Monitor employee attendance
- Track vacation & sick time
- Schedule employees
- Provide flexible shifts
- Automate time rounding policies
- Quickly retrieve historical data
- Print any of numerous reports
- Link with payroll software
- And much, much more

Software Modules

- Company: to enter company or facility details and address
- Departments: to create and manage various departments for department wise attendance monitoring
- Employee: Employee registration and management
- Shift management: to enter complex shift information, including overnight shift information and overtime schedules
- Calendar: company holidays and calendar
- Leave management: To allocate and track employee leaves, multiple leave types is supported
- Administration: Admin functions, importing logs, logs editing and processing
- Reports: Number of useful reports are available in HTML and text formats

Payroll interface

The TimeTRONIX software can be easily interfaced with your existing Payroll software. All payroll software accept standard time attendance data produced by TimeTRONIX software. This data is provided in MS-access or text format. Most payroll software will accept text data.

Reports

A variety of reports can be produced to give you the information you need in a format you can use. Following standard reports are available:

- Attendance Report
- Time Attendance Report
- Lateness Report
- Overtime Report
- Overnight Report
- Leave Report
- Absence Report
- Exception Report
- Shift Roster Report
- Clocking Report
- Staff Not Working Report
- Staff Not Clocking Report

Frequently asked questions

Q. What is importance of desktop in TimeTRONIX Desktop package?

TimeTRONIX Desktop is a computer based Time attendance system. It must be used with your computer and cannot work standalone. Fingerprint scanner is completely dependent on the computer. Hence this is Desktop Time attendance package. Fingerprint scanner must be kept very near to the computer and once should not think of architectures where you try to alienate Fingerprint scanner from computer.

Q. Can we connect multiple Fingerprint scanners to one PC?

No, even though your PC may have more than one USB port you can only connect one fingerprint scanner at a time. Other USB ports may be used for other USB devices like camera etc.

Q. Is TimeTRONIX Desktop a complete Time Attendance package, do I need to purchase anything else?

Yes TimeTRONIX is a complete Time attendance package with hardware and software required for basic time attendance requirements of small and medium companies. Time attendance package only offer time attendance reports and does not do payroll processing.

You are not require to purchase any other hardware, software or service.

Q. Can we install TimeTRONIX desktop on any operating system?

No, TimeTRONIX desktop can be used only with windows 98/Me/2000/XP. It cannot be used with windows 95 and NT because they do not support USB ports required by fingerprint scanner.

Q. What are system requirements for TimeTRONIX desktop?

Since TimeTRONIX do processor intensive fast fingerprint matching, it is recommended to use fastest available computer for best performance. It require 200MHz + processing power and 128MB+ RAM.

Q. What can be maximum distance between Fingerprint scanner and computer?

Fingerprint scanner is suppose to be kept near the computer like a printer or mouse, it comes with 1.5 meters cable but it is possible to increase the cable to 3 meters by using simple 1.5m female to male USB extension. It is possible to increase the cable to 6.5-8m by using active USB extension cable.

We recommend you not to think about increasing this distance unless strictly required as this will deviate you from the basic concept of TimeTRONIX desktop. We have observed people trying to extract features similar to standalone systems from desktop package with some alterations. This will led to unstable system architecture.

Q. What if I have other USB devices connected to my system?

Fingerprint scanner reserves 70% of the USB bandwidth for its use, 10% is already reserved by the system, hence only 20% is left for other devices on single USB host controller. Hence other devices using more than 20% bandwidth will give problem with Fingerprint scanner. But most computers today have 4 USB ports with two USB host controllers, this means that you have full bandwidth available on second USB host controller for other devices. It is also possible to purchase addon USB PCI card to extend USB host controller/ports on your computer.

It has been found that some motherboard (normally in assembled/grey PC market) do not provide sufficient current to USB ports which lead to problem in case multiple USB devices are connected. Hence problem can occur due to insufficient current as well as insufficient bandwidth in case of

multiple USB devices are used. These problems are clearly reported by the operating system whenever they occur.

It has been found that the problem of insufficient current is very prevalent with Old laptops where this problem may occur even if only fingerprint scanner is connected. This is mainly because laptops are designed to save power to increase battery life.

[Q. Can I use any other fingerprint scanner with your software?](#)

No, The TimeTRONIX package, its drivers and fingerprint matching software only support the scanner included with it.

[Q. How can I get custom features integrated in time attendance software?](#)

You can send clear Software requirements specification to RaviRaj Technologies, we will evaluate your requirements and in case we find that these change may be useful to many clients in future we will do this free of cost for you. For other changes we charge nominal service fees. You can also integrate these features yourself if you have knowledge in ASP programming.

[Q. Can we add new reports and rules ourselves in time attendance software?](#)

RaviRaj Technologies does not provide engine/wizards to automatically add rules of generate reports, but if you have ASP programming skills you can easily add new reports.

[Q. Can I install Time attendance software on my web server?](#)

Yes, you can install it on Windows 2000 or latest server and access it from any where through internet.

[Q. Do I need to install time attendance software on multiple places to see reports?](#)

No, TimeTRONIX software is browser based and once installed on a computer or server it can be accessed from anywhere on the LAN through browser.

[Q. How can you ensure that my investments in time attendance software will not go waste in long term?](#)

RaviRaj Technologies is continuously working on TimeTRONIX to integrate new features and also provide you with large part of the source code which allow you to take control of the software and integrate additional features of your choice yourself or through your development partner. hence your investment in TimeTRONIX will give you long term returns.

[Q. Do I receive free upgrades to TimeTRONIX time attendance software?](#)

Yes, you will receive free upgrades till one year. After this you can purchase the new versions of the software if required or continue with the older version.

[Q. What warranty is offered for Fingerprint scanner?](#)

One year replacement warranty is offered for fingerprint scanner.

[Q. What if Fingerprint scanner stops working?](#)

You will need to get it replaced or you will need to purchase a new one. It is not repairable unless its small problem.

[Q. Can I use same fingerprint scanner for other applications?](#)

Yes, but you may need separate application software to use Fingerprint scanner for other applications.

Packaging list for TA2000

- BioScanner USB Fingerprint Scanner
- TimeTRONIX TA software CD
- Drivers CD and manual for any diagnostics only
- User Manual

TA2000 IS IN STOCK ! Buy Now.....