

# An Integrated Solution for Time & Attendance

# FORTUNA

## Gateway 2000-Tip



### Gateway 2000-Tip

Gateway-2000 Tip is a state-of-the-art Time & Attendance System with a Biometric Finger Print Authentication Device, specifically designed to provide irrefutable personal verification. It is a stand-alone, wall-mounted device with a Finger Print Scanner to enroll users, store their Finger template record, keep Attendance Transaction logs, and interface with computers.

### TECHNICAL INFORMATION

CPU	High Performance ARM CPU
Memory	50000 Transaction Storage (upgradable)
Keyboard	4X4 Membrane Keyboard
Display	128 X 64 Pixel Graphic Backlit LCD
Power	Wide Range SMPS (90-260V @ 50Hz +/-5Hz)
UPS	Using MFB for 4 hours operational Back-up
Finger Print Sensor	Optical(16 X 19 mm) @500 DPI (280 X 320)
Sensor Surface	Scratch Proof, effective for dry & wet Finger
Algorithm	ISO 19794 Template (FVC2006 winner)
Template	9500 Template / 4750 users
Allowable Finger rotation	+ / - 90 Degrees
Identification Time	< 1 Second(Typical) for 2000 Fingers
Out Reader I/F	Finger Print/Smart/Proximity as OUT Reader
Relay Output	12V Wet / Potential Free Contact O/P (2 Nos)
Dimension	223(H) X 100(W) X 86(D) mm
Temperature	0° C to 50° C
Humidity	Upto 95% RH
USB Master	For taking Backup in Pen drive

### Finger Print Identification : 1 : N Mode

It provides real time identification of Finger without any user input, such as card show/PIN entry (1 : N Mode). Upto 9500 fingers may be stored with upto 2 fingers per user. It provides a self learning algorithm for adopting the change in the finger usage pattern.



### Real Time Attendance

User puts his finger on fingerprint reader. The terminal compares live finger with the finger stored (during enrollment) in the built-in memory and stores Attendance log only upon match, with Name & Employee ID Display on LCD, all within 1 Second



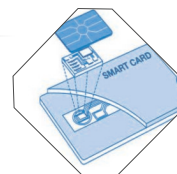
### Prevention of Proxy Attendance

This provides enhanced security, superior speed and most importantly eliminates Buddy/Proxy Punching, since the personal finger prints cannot be copied, lost or stolen. The FVC award winning optical sensor is engineered for impeccable finger scanning & perfect finger parking angle.



### Card Reader Integration

A HID iClass/Mifare Reader may be integrated inside to store in the template data in the Card memory to provide "Match-on-Card" functionality for Unlimited user, especially suited for large organization/global operation. HID/EM Proximity reader can also be integrated.



### Access Control : Out Reader Interface

It can be interfaced to MicroTIP, biometric Reader Module such that finger enrolled in the Master will get replicated in the Slave/Out Reader automatically. Card Readers may also be interfaced. This may be used for Access Control application or OUT Reader for Attendance system.



### Connectivity & Communication

Networking of Terminals is accomplished using Ethernet LAN/WAN or using Wifi Access Point. Terminals may be connected to Internet Server using Broad Band or GPRS. A PC may directly be connected to the terminal using RS232C/RS 485 Bus. Data may be transferred using USB Pen Drive.



### Industry Standard

A Vandal-resistant, wall mounting MS Panel having locking door with transparent acrylic cover & a cut-out to insert the finger, may also be provided for physical security to Gateway 2000\_Tip from natural or artificial trauma/vandalism. A Lamp turns GREEN upon the finger acceptance.



### Management Information System

The Attendance logs from Gateway 2000\_Tip is uploaded to Server PC in online/scheduled or on demand, to a user specified database or in form of user configurable text file. MIS Attendance Reports may be generated using Web or Client-Server based Attendance Management Software.



## Integrated Solution Summary

### Smart Finger :

#### Finger Print Enrollment Station

The Smart Finger Application is a Windows based application which facilitates the finger image capture using a USB based Finger Print Reader Module and stores the digitized finger template data in the centralized Server database. Finger Print Enrollment & Card Personalization Application Software may be deployed at one or many PC's on Company's LAN network. It can also capture Employee Photograph using USB camera.

- ❖ It gives a advanced finger print management tool with downloading of finger template to Attendance terminal automatically upon assignment.
- ❖ It can also upload the finger template from Attendance Terminal for centralized database generation.
- ❖ It is featured with add-on functions such as ID Card printing, marking Employee Black-listed.

Designed for an enterprise wide Time & Attendance System, the Solution is based on LAN/ WAN/GPRS infrastructure and a complete workflow automation with a centralised repository, and providing a seamless and flexible operation over the entire cycle of finger enrollment, badging, provisioning, deployment, online Reports & Deprovisioning.

### e Time Pro

Web based Attendance Management Software

e Time Pro is web based application. It can be loaded on an Internet Server on Web or on an Intranet Server. Any Computer / Thin Client having a Web Browser (no Client software required!!) can be used with proper User Authentication. The software is fully configurable & user friendly.

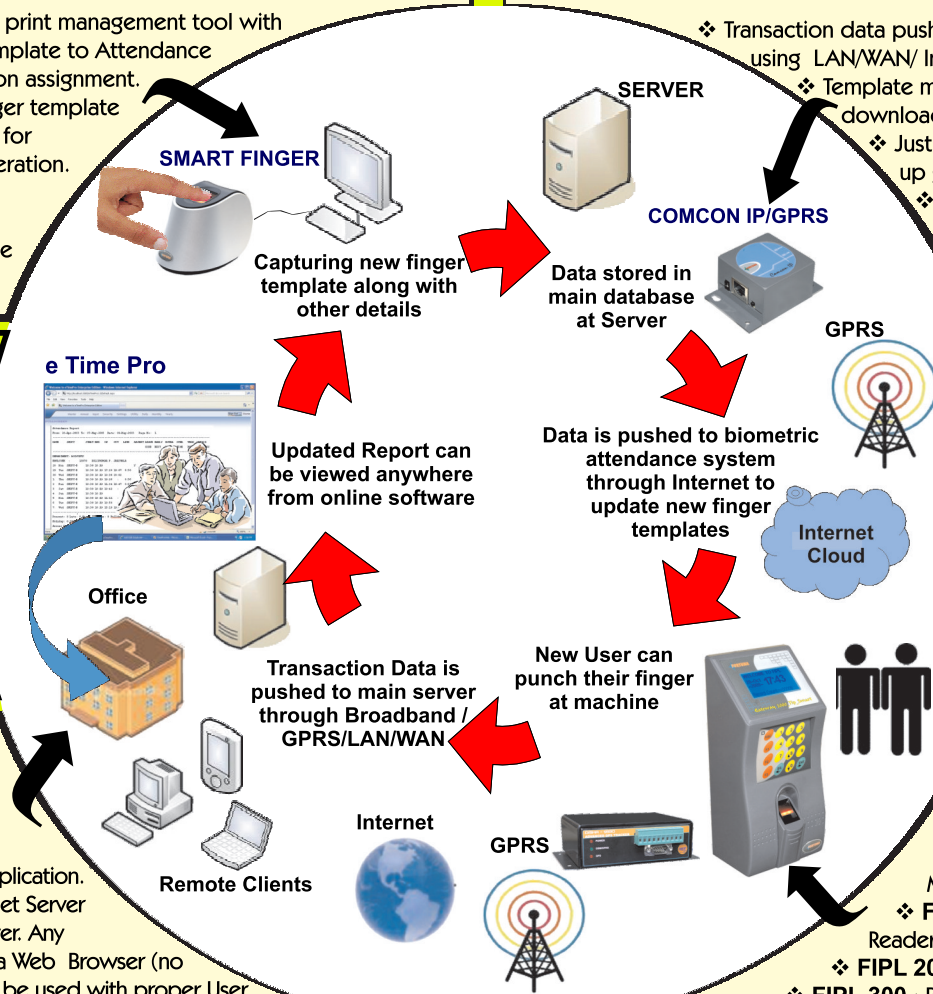
- ❖ The Attendance Data is pushed to the Server in online mode to Internet Server using web or to Intranet Server using wired LAN/ wireless Wifi & update the database residing on the Server.
- ❖ The raw attendance data is processed automatically (no user intervention) The Attendance report is available instantaneously upon punching.
- ❖ Individual User can log-in to check ones own attendance & post his Leave application in the system for further processing.
- ❖ eTIME Pro takes care of all time Office related functions such as Master Maintenance, Manual Attendance, Leave, Tour/On-Duty input, Over Time Calculation & sanction, Shift Rotation, Late Rules etc.
- ❖ This provides host of Daily, Periodic & Yearly Reports related to Time Office. It also Provides the data required for Payroll Calculation.

### Comcon IP/GPRS :

#### Internet Protocol Converter

This is meant for online Attendance Data push from any where in the world to a Server, just by using Broad Band or GPRS infrastructure. In case the internet is not available on either side then the data gets stored in the Gateway 2000\_Tip. Upon a clear connection, it automatically connects & pushes the data which are not uploaded to Server. Unlimited Attendance terminals may be handled simultaneously in asynchronous mode.

- ❖ Transaction data push to Server from remote terminal using LAN/WAN/ Internet/GPRS connectivity.
- ❖ Template may be uploaded from or downloaded to remote Terminals
- ❖ Just Plug-n-Play installation with Easy up gradation and scalability
- ❖ No extra IT hardware installation
- ❖ Remote Management of Attendance Terminal



### Supported Card Reader



### ORDERING INFO

- ❖ **Gateway 2000 Tip :** Bio-Attendance Recording System with Keyboard in 1: N Mode, RS 232C, built-in UPS
- ❖ **FIPL 150 :** Built-in EM Proximity Reader
- ❖ **FIPL 200 :** Built-in HID Proximity Reader
- ❖ **FIPL 300 :** Built-in MIFARE Smart Card Reader
- ❖ **FIPL 400 :** Built-in HID iClass Reader

- ❖ **SMART FINGER :** Centralised Finger Print Enrollment Station
- ❖ **MicroTIP/MicroPROX/Prox Point/MicroSMART :** Out Reader option
- ❖ **COMCON IP :** Broad Band/Internet interface converter
- ❖ **COMCON GPRS :** GPRS based Interface converter
- ❖ **COMCON TCP/IP :** RS232C to Ethernet Converter
- ❖ **Vandal Resistant Panel :** for housing the system with light & buzzer
- ❖ **IP Server :** Online Data transfer & Monitoring server/service
- ❖ **Compro 2000 :** Configuration & Data Download Software
- ❖ **eTime Pro :** Web Based Attendance Management Software
- ❖ **MIS Time Pro Enterprise :** Windows Based Attendance Software
- ❖ **ID Cards :** (a) 1K/4K Smart Card (b) Proximity Card (c) HID Card
- ❖ **Accessories :** (a) Comm. Cable (b) ReX Cable (c) Lock (d) Turnstile

\* Specifications are subject to change without notice. \*\*Smart Finger/Comcon IP & eTime Pro are optional.

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