

Biometric Time & Attendance System

Features & Specifications

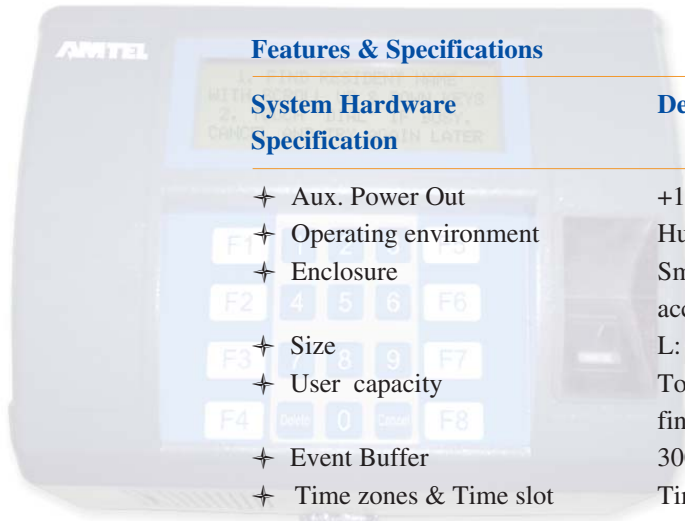
System Hardware Specification

Description

✦ CPU	8 bit, 22.1 MHz
✦ Memory	Battery backup SRAM: 512K x 8 bits Flash Memory: 512K x 8 bits Serial Flash: 1M x 8 bits
	✦ RTC
	Battery backup Real Time clock
	✦ Proximity Card Reader
	Optional Proximity / MiFare / I-Class card-reader with read range of 3 inches
	✦ Supervisory Input(s)
	2 x Supervised Inputs per door
	✦ Finger Print Module
	Optical fingerprint sensor - 500 dpi resolution, Solid sensor surface
	High quality fingerprint image
	400 MHz DSP
	✦ CPU
	4 MB
	✦ Flash memory
	< 0.1%
	✦ EER
	800 msec
	✦ Enrollment time
	800 msec
	✦ 1:1 Verification time
	970 msec
	✦ 1:1000 Identification time *
	384 Bytes (reducible to 256 bytes)
✦ Template size	
✦ Template capacity	4,500
✦ Encryption	256 bit AES (fingerprint data protection)
✦ Supply voltage	5V regulated
✦ Sensor type	Optical
✦ Resolution	500 (dpi)
✦ Sensing area	16.0 x 19.0 (mm)
✦ Image size	280 x 320 (pixel)
✦ Finger Print Registration	Using terminal connected with HOST PC
✦ Relay Outputs	2 x Relay outputs (Standard) (SPDT, 1 FORM "C", 7AMPS@250VAC) 2 x Relays Maglock control (Optional) (SPDT, 1 FORM "C", 7AMPS@250VAC)
✦ LCD Display	4x 20 character Backlit LCD
✦ Communication with Either	RS-232 / RS485 Serial Host port or TCP/IP
✦ Power	12 VDC @ 1.5A with Plug in DC source



Biometric Time & Attendance System



Features & Specifications

System Hardware Specification

Description

✦ Aux. Power Out	+12VDC
✦ Operating environment	Humidity: 10% to 85% RH non-condensing
✦ Enclosure	Small & light weight molded enclosure with surface /wall mounting accessories
✦ Size	L: 215.0mm W:170.0mm H:75.0mm
✦ User capacity	Total: 20,000 User with Finger print Max 1000 + User without fingerprint 19,000
✦ Event Buffer	3000
✦ Time zones & Time slot	Time zones: 000-255 Time slots: 4 Per Time Zone
✦ I/O Program	Can be programmed to activate actuators relay at specified time or on receipt of input impulses. Each panel can have 16 I/O (General) programs and each access point has one card failure program.
✦ Timed Activity	Feature included to control the activity of an Access Point, Relay or a Group of Relays indirectly, without the need of human presence. Max 72 can be defined.
✦ Total 3 states:	OPEN CLOSED CONTROLLED
✦ Holiday Schedule	The Card IDs assigned to this Time Zone will be allowed to access the defined Holidays too. Maximum no of holidays: 24

** average 1:1000 genuine identification time including feature extraction time*

