

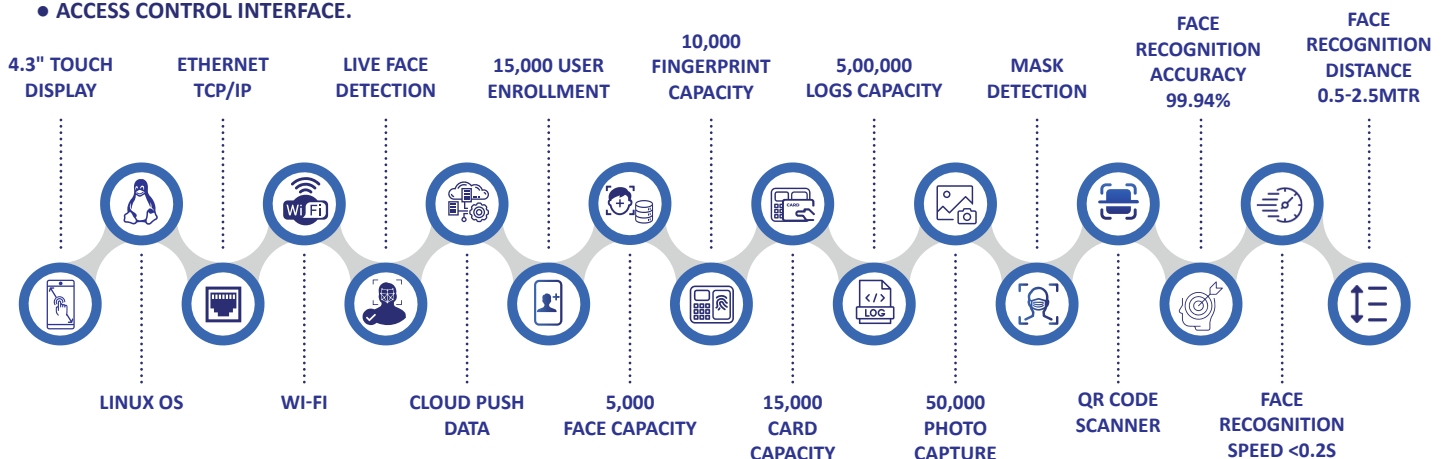


**Model
ASTI-E43F50A**

DYNAMIC FACE & FINGERPRINT BASED TIME ATTENDANCE MACHINE

KEY FEATURES

- 4.3" HIGH-RESOLUTION TOUCH SCREEN DISPLAY WITH WHITE FILL LIGHT.
- FACE RECOGNITION SPEED <math><0.25</math> WITH 99.94% ACCURACY RATIO.
- FACE RECOGNITION DISTANCE 0.5-2.5MTR WITH MULTIPLE USERS.
- SUPPORT CLOUD PUSH DATA TECHNOLOGY FOR CLOUD SERVICE.
- COMMUNICATION MODE: ETHERNET TCP/IP, WIFI, USB.
- SUPPORT 15000 USER ENROLLMENT CAPACITY.
- SUPPORT 10000 FINGERPRINT CAPACITY.
- SUPPORT 15000 RFID CARD CAPACITY.
- SUPPORT 5000 FACE ENROLL CAPACITY.
- SUPPORT 500000 LOGS CAPACITY.
- BUILT-IN 50000 PHOTO CAPTURE.
- FACE-MASK DETECTION SUPPORT.
- LIVE FACE DETECTION SUPPORT.
- QR CODE SCANNER SUPPORT.
- ACCESS CONTROL INTERFACE.



DYNAMIC FACE & FINGERPRINT BASED TIME ATTENDANCE MACHINE

Experience seamless and accurate time tracking with the cutting-edge AVAIVI Biometric Time Attendance Machine. Engineered with precision and designed for efficiency, our state-of-the-art device revolutionizes workforce management. Utilizing advanced biometric technology, our time attendance machine ensures secure and reliable employee identification through fingerprint, facial recognition, or both. Equipped with a powerful processor, our device delivers lightning-fast authentication, minimizing wait times for employees during check-in and check-out.

4.3" TOUCH DISPLAY



The 4.3" touch display on AVAIVI's Biometric Time Attendance Solution machines introduces an intuitive and interactive user experience. This high-resolution touchscreen enhances usability, allowing users to navigate effortlessly through the system's functionalities. With a vibrant and responsive interface, individuals can easily access attendance records, configure settings, and engage with various features. The spacious 4.3" touch display provides a clear and detailed view, making it convenient for users to verify their identity, view attendance logs, and perform necessary operations. Its user-friendly design ensures a seamless interaction, contributing to an efficient and streamlined experience for both administrators and users alike.



LINUX OS

AVAIVI's Biometric Time Attendance Solution machines operate on the Linux operating system, providing a robust and secure foundation for efficient time management. Linux, known for its stability and reliability, ensures smooth and uninterrupted performance, even in demanding environments. The implementation of Linux OS on these devices enhances their overall security and resilience. Users can trust in the stability of the system, ensuring consistent and reliable attendance tracking. The Linux OS also opens the door for seamless integration with other software solutions, making AVAIVI's Biometric Time Attendance Solution machines a versatile and dependable choice for effective time management in various organizational settings.

ETHERNET TCP/IP



AVAIVI's Biometric Time Attendance Solution machines feature Ethernet TCP/IP connectivity, establishing a high-speed and reliable network connection for seamless data transmission. This technology allows the devices to communicate efficiently with servers, databases, and other connected systems. By leveraging Ethernet TCP/IP, these attendance solutions ensure swift and secure data transfer, enabling real-time updates and accurate recording of attendance information. The implementation of this network protocol enhances the efficiency and responsiveness of the system, making it well-suited for modern workplaces where connectivity and real-time data access are paramount. With Ethernet TCP/IP, AVAIVI's Biometric Time Attendance Solution machines offer a robust and dependable solution for organizations seeking advanced time management capabilities.



WI-FI

AVAIVI's Biometric Time Attendance Solution machines come equipped with built-in WiFi functionality, providing users with flexible and convenient connectivity options. This feature enables wireless communication, allowing the devices to connect seamlessly to local networks and facilitate efficient data transfer. The built-in WiFi capability enhances the versatility of these attendance solutions, offering users the freedom to deploy them in various settings without the constraints of physical network cables. Users can benefit from wireless connectivity for data synchronization, software updates, and real-time access to attendance records. AVAIVI's commitment to cutting-edge technology is evident in the inclusion of built-in WiFi, ensuring that their Biometric Time Attendance Solution machines are equipped to meet the evolving needs of modern workplaces.



LIVE FACE DETECTION

AVAIVI's Biometric Time Attendance Solution machines incorporate advanced Live Face Detection technology, adding an extra layer of security and accuracy to the attendance verification process. This feature ensures real-time identification and authentication by analyzing facial features during the attendance recording. Live Face Detection enhances the reliability of attendance data by confirming the presence of a live person, preventing unauthorized attempts to use static images or masks for verification. The technology is designed to adapt to various lighting conditions, making it effective in different environments. AVAIVI's commitment to cutting-edge biometric solutions is reflected in the integration of Live Face Detection, providing users with a secure and efficient means of attendance management.

CLOUD PUSH DATA



AVAIVI's Biometric Time Attendance Solution machines feature Cloud Push data functionality, providing a seamless and efficient way to synchronize attendance data with cloud-based platforms. This feature allows for the automatic and secure transfer of attendance records to the cloud in real-time or at scheduled intervals. Cloud Push data enhances accessibility and data management by centralizing attendance information on cloud servers. Users can conveniently access and analyze attendance records remotely, facilitating efficient workforce management. This feature reflects AVAIVI's commitment to leveraging cloud technology for streamlined and scalable attendance solutions, ensuring that organizations can benefit from the advantages of cloud-based data storage and analysis.



15,000 USER ENROLMENT

AVAIVI's Biometric Time Attendance Solution machines offer an impressive user enrolment capacity, supporting up to 15,000 users. This robust capability is designed to accommodate the attendance tracking needs of diverse organizations, ranging from small businesses to larger enterprises with substantial workforces. With the ability to enrol 15,000 users, AVAIVI's Biometric Time Attendance Solution machines provide a scalable and comprehensive solution for managing attendance records. This feature underscores AVAIVI's commitment to meeting the diverse needs of organizations by offering a high-capacity solution that ensures efficiency and accuracy in attendance management.

5,000 FACE CAPACITY



AVAIVI's Biometric Time Attendance Solution machines boast an impressive facial recognition capacity, supporting up to 5,000 faces. This advanced capability enables organizations to efficiently manage attendance for a significant number of users using facial biometrics. With the ability to store and recognize 5,000 faces, AVAIVI's solution offers a scalable and reliable option for organizations of varying sizes. This feature ensures accurate and secure attendance tracking through facial recognition technology, reflecting AVAIVI's commitment to providing cutting-edge solutions for modern workforce management.



10,000 FINGERPRINT CAPACITY

AVAIVI's Biometric Time Attendance Solution machines excel in fingerprint recognition capabilities, supporting a substantial fingerprint enrolment capacity of up to 10,000 users. This robust feature ensures organizations can efficiently manage attendance records for a large and diverse workforce. With the ability to enrol and recognize 10,000 fingerprints, AVAIVI's solution provides a scalable and secure option for accurate attendance tracking. This feature highlights AVAIVI's commitment to delivering advanced biometric solutions that meet the needs of organizations with varying sizes and workforce structures.

15,000 CARD CAPACITY



AVAIVI's Biometric Time Attendance Solution machines offer an expansive card capacity, supporting up to 15,000 cards. This impressive feature allows organizations to efficiently manage attendance records for a large number of users using card-based identification. With the ability to store and process 15,000 cards, AVAIVI's solution provides a scalable and reliable option for organizations of varying sizes. This feature ensures accurate and secure attendance tracking through card-based identification, demonstrating AVAIVI's commitment to delivering versatile solutions for modern workforce management.

50,000 PHOTO CAPTURE



AVAIVI's Biometric Time Attendance Solution machines offer a robust photo capture capacity, supporting up to 50,000 photos. This feature enables organizations to associate individual photos with attendance records, adding an additional layer of verification and personalization. With the ability to capture and store 50,000 photos, AVAIVI's solution provides a comprehensive and scalable approach to visual identification in attendance management. This feature ensures that organizations can maintain a visual record of attendance events, enhancing security and verification processes. AVAIVI's commitment to

5,00,000 LOGS CAPACITY



AVAIVI's Biometric Time Attendance Solution machines exhibit a robust log capacity, supporting up to 5,00,000 logs. This substantial storage capability ensures that organizations can maintain detailed and comprehensive records of attendance activities over an extended period. With the ability to store 5,00,000 logs, AVAIVI's solution offers a scalable and efficient means of tracking attendance data. This feature is particularly beneficial for organizations with large and dynamic workforces, providing ample space for logging attendance events without the need for frequent data purging. AVAIVI's commitment to accommodating diverse organizational needs is evident in this generous log capacity feature.

MASK DETECTION



AVAIVI's Biometric Time Attendance Solution machines are equipped with advanced mask detection technology. This feature enhances safety and compliance by automatically detecting whether users are wearing masks during the attendance verification process. In the current global context, mask detection has become a crucial aspect of health and safety protocols. AVAIVI's implementation of this technology ensures that organizations can enforce mask-wearing policies seamlessly, contributing to a secure and health-conscious work environment. This feature reflects AVAIVI's commitment to providing innovative solutions that address contemporary challenges and prioritize user well-being.

QR CODE SCANNER



AVAIVI's Biometric Time Attendance Solution machines are equipped with a QR code scanner, adding a versatile and convenient method for attendance verification. This feature allows users to authenticate their attendance by simply presenting a QR code, streamlining the check-in process. The QR code scanner enhances flexibility in attendance management, catering to various user preferences and organizational needs. Users can generate unique QR codes for attendance purposes, and the scanner efficiently captures and records the information. This feature underscores AVAIVI's commitment to providing inclusive and user-friendly solutions for modern workforce management.

FACE RECOGNITION ACCURACY 99.94%



AVAIVI's Biometric Time Attendance Solution machines boast an impressive face recognition accuracy of 99.94%. This high level of accuracy ensures reliable and secure attendance verification, contributing to the overall efficiency of workforce management. With a face recognition accuracy of 99.94%, AVAIVI's solution minimizes the likelihood of false positives or negatives, providing a precise and dependable means of verifying user identities. This feature reflects AVAIVI's commitment to delivering advanced biometric solutions that prioritize accuracy and security in attendance management.

FACE RECOGNITION SPEED <0.2S



AVAIVI's Biometric Time Attendance Solution machines demonstrate exceptional face recognition speed, completing the verification process in less than 0.2 seconds. This rapid recognition speed contributes to a seamless and efficient attendance management system. With a face recognition speed of less than 0.2 seconds, AVAIVI's solution ensures swift user authentication, minimizing wait times and enhancing user experience. This feature underscores AVAIVI's commitment to providing not only accurate but also fast and responsive biometric solutions for modern workforce needs.

FACE RECOGNITION DISTANCE 0.5-2.5MTR



AVAIVI's Biometric Time Attendance Solution machines offer a flexible face recognition distance range, spanning from 0.5 to 2.5 meters. This adjustable distance capability allows organizations to customize the system based on their specific needs and the layout of their premises. With a face recognition distance range of 0.5 to 2.5 meters, AVAIVI's solution accommodates varying spatial requirements, ensuring that users can be authenticated comfortably within the specified range. This feature reflects AVAIVI's commitment to providing adaptable and customizable biometric solutions for diverse attendance management scenarios.

FINGERPRINT BASED TIME ATTENDANCE MACHINE

HARDWARE	
Display	4.3" Touch High-resolution screen
CPU	1.2Ghz Dual-Core ARM Cortex-A7
RAM	256M DDR3L
ROM	4G EMMC
OS	Linux 3.0
Camera	"Colour camera: 1/2.9" CMOS Sensor Field of view: 75° 2MP camera with WDR enabled."
	"Live Camera: 1/5" CMOS Sensor Field of view: 75° 2MP Infrared live camera "

Fill Light	LED Fill Light and Dual Infrared Fill Light
Communication Port	TCP/IP Ethernet, Wi-Fi, USB-Type A (Support U disk),
Verify Method	Face Recognition, Fingerprint, ID Card, Password
Cloud Push Data Service	Supported
User Enrollment	15,000
Face Capacity	5,000
Fingerprint Capacity	10,000
Card Capacity	15,000
Password Capacity	15,000
Logs Capacity	5,00,000
Photo Save Logs	50,000
QR Code Scanner	Supported
Face Recognition Accuracy	99.94%
Face Recognition Speed	<0.2S
Face Recognition Distance	0.5-2.5mtr/ 1.64-8.20ft. (adjustable Mode: Short, Middle, Long)
Multiple Face Recognition	Supported
Live Face Detection	Supported (Reject Photo and Video when enabled)
Mask Detection	Support mask detection and face recognition with wearing mask
Access Control Interface	Supported
Power Input	DC-12V 2Amp
Working Temperature	-0°C to 55 °C
Working Humidity	20%-80%
Product Size	187.5mm*87.5mm*26mm

AVAIVI is a dynamic and innovative DPIIT recognised Startup Company for its commitment to driving excellence, fostering innovation, and contributing to Bharat's burgeoning entrepreneurial landscape. AVAIVI specialises in providing cutting-edge Audio-Visual Solutions, AI-based Software and Security & Surveillance Technology.

AV Technology: AVAIVI's state-of-the-art audio-visual solutions redefine how information is presented and shared. Our innovative AV solutions include interactive displays, digital signage, audio systems, and immersive multimedia experiences.

AI Software Suite: From predictive analytics to process optimization, our AI-based software applications empower organizations to make informed decisions, streamline operations, and stay ahead in a rapidly evolving digital landscape.

Video Surveillance: AVAIVI's expertise in CCTV security surveillance technology goes beyond traditional monitoring. Our comprehensive solutions encompass advanced camera systems, intelligent video analytics, and remote monitoring capabilities.

Disclaimer: The information provided in this product datasheet is intended for general informational purposes only. While we strive to ensure the accuracy and reliability of the information presented. It is important to note that product specifications and features may change without prior notice.