

AMF1300F

AMT[®]
Innova on • Integrity Profession

Pro Series[®]

“High Speed Long Range Face Recognition”



Face Capacity
3000



PIN Capacity
3000



Finger Capacity
3000



Card Capacity
3000

PERFORMANCE GUARANTEE

Face | Finger | PIN | RFID Reader | WiFi | TCP/IP | Access Control | Cloud

www.amts.pk

AMF 1300F Technical Specifications

User Capacity	: 3000
Face capacity	: 3000
Card capacity	: 3000
Password capacity	: 3000
Fingerprint Verification Mode	: 1:1, 1:N
Max Attendance log	: 300,000
Verification	: Face, Fingerprint, card, password
Display	: 7 inches HD Color Display
CPU	: Mediatek 1.7Ghz
OS	: Linux
RAM	: 4GB
ROM	: 64GB
On Screen Advertising	: Yes, Multiple Images can be displayed
Communication	: TCP/IP, Wi-Fi
U-disk	: Data to Pen Drive Downloading supported
Idle Current/ Working Current/Power Supply	: 400mA/500mA/12V 2amp
Working Temperature & Humidity(RH)	: -10°C ~ +55°C / 20% ~80%
Power management	: Sleep Mode
FAR/FRR	: 0.001/1(%)
Access Control	: Built In
Door Control	: Directly control of door lock / Indirectly control of door lock via Wiegand access controller
Sound Indicator	: Buzzer, Voice
Centralized	: Yes, Centralized device management, centralized data management, Third party data integration to centralized server
Working Mode / 4G GPRS / POE	: Online / Offline
Scanner	: Prism and Lens should be integrate part of the optics of the FP scanner, to prevent spoofing by removing prism and directly using printed Fingerprint image instead of Live Finger.
Sensors	: CMOS sensor
Scanning Speed	: 1/15 second
Image resolution	: 500 dpi (H), 500 dpi (V)
Image capture format	: 13.3 x 16.4(mm) (H * V)
Scanner output image size	: 264 * 324 pixels(H * V)
Gray Level	: 8bits/pixel,max 256 gray scales
Image ratio of length to width	: 01:01
Scanner interface cable	: Standard USB compliant cable
Power supply	: 1 watt approx[from USB port],200mA,approx,standby:60mA)
Minimum hardware requirement	: P3 800MHz CPU or up,256MB,USB2.0
Distortion	: <1%
Temperature(without external enclosure)	: 0°C~50°C
Humidity	: < 90% non condensing
Scanning light source	: Infrared red (940nm)
Operating volts	: +5V Tolerance 5% (USB connector)
Scanner	: Optical
Face Technology	: Encrypted biometric templates (ISO/IEC 19794-5, ANSI/INCITS 385 compliant) GDPR/IT Act compliant data handling with role-based access control Configurable data-retention and automatic anonymization features
Face Detection	: Multi-task CNN / RetinaFace with FP16 inference; detects faces ≥ 40x40 px at up to 60 FPS.
Face Alignment	: 5-point and 68-point landmarking with affine normalization to 112x112 px.
Feature Extraction	: Deep residual CNN (e.g., ArcFace/FaceNet derivative) generating 512-D embeddings; cosine similarity metric.
Matching / Search	: Optimized FAISS / HNSW index for >1M templates; latency < 200 ms for 1:N search on 1:50,000 dataset.
Liveness Detection	: Fusion of IR depth map, micro-motion analysis, and texture anti-spoof (ISO/IEC 30107-3 compliant)



Access all employees attendance securely with High speed long range face recognition