

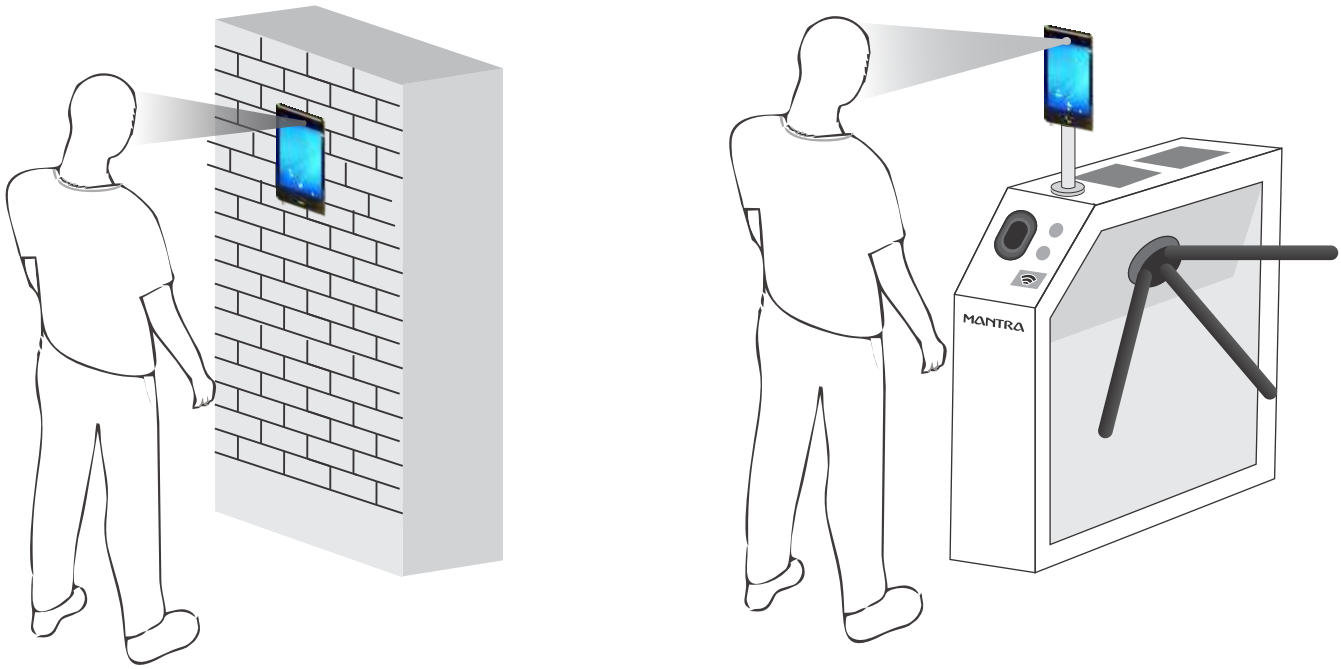
MANTRA

BioNIC FP9



This industrial multimodal terminal is built with face & optical finger sensors to serve industrial use cases powered by the most advanced facial and finger matching engine. The terminal can serve multiple industrial use cases such as visitors, attendance, access control and canteen management.

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Applications

- ◆ Machine variants offer multimodal biometrics, including facial & fingerprint modalities added by smart card interface to perform various types of authentication and matching requirements.
- ◆ Advance AI-based facial engine along with options for optical and capacitive fingerprint interface to provide choice in technology and serving of use cases
- ◆ Built-in access control features can provide seamless integration with door locks, turnstiles, and flap barriers for authorized entry & exit to users.
- ◆ The advanced access control features can provide alarms, alerts and notifications, including the status of doors and central monitoring to achieve security needs.
- ◆ Cross-platform API interface provides effortless integration with third-party software and hardware controller over Wiegand or RS-485 or Ethernet LAN network.
- ◆ Design and engineering of machines are for attendance, access control, visitors, canteen, and access control requirements with real-time data integration and monitoring facilities.

Features

- ◆ Best in class, American Amlogic processor to ensures data security and compliance requirements.
- ◆ Multi-core processor with GPU provides AI feature for rapid and accurate matching
- ◆ Wiegand, LAN support to ensure all types of communication requirements
- ◆ Facial liveness configuration to achieve the highest level of facial security & ensure physical requirements for punching
- ◆ World's best facial algorithm engine providing standard universal facial templates
- ◆ RGB+IR camera facilitates quick and accurate matching
- ◆ Compact and elegant design form factor

Specification

Device Type	: Smart Facial Recognition & Fingerprint Terminal
Screen Size	: 5 inches, Full viewing angle, 170°IPS LCD screen, Resolution 720*1280
Camera	: Dual Lens camera RGB+IR, Focal Length: 4.3mm±5%, with 2 million pixels
Operating System	: Android 9 or higher
Processor	: AMLOGIC, Quad Core ARM Cortex A-55, 1.60 GHZ + ARM G31 Mali for 3D Graphics
Memory	: 8GB ROM
Lighting Environment	: White LED
Sensor	: Infrared
Card	: ISO 14443 Type A/B Mifare
Communication	: Ethernet, Bluetooth, WIFI
Distance	: Within 0.6 meter to 1 meter for best use case
AI Controller	: Built - in
User capacity 1:N Matching	: Optional (3 Variants)
Variant1	3K Users
Variant1	6K Users
Variant1	10K Users
User capacity 1:1 Matching	: 25000 Users
Transactions	: 200000 Logs
Fingerprint Sensor	: 500 DPI Optical Fingerprint Sensor STQC / AADHAAR / UIDAI Certified
Software	: Visitors Application, Canteen Application Attendance Application, Access Control Application
Peripheral Ports	: Power: DC Jack LAN: Rj45 Micro USB Wiegand RS-485 Relay NO,NC.COM
Audio	: Digital Audio Speaker, Microphone
Environment	: Operating Temperature:- 20 degree to +60 degree Humidity:- 0 to 90 percentage Non-Condensing
Mobile Device Management	: Mantra Standard MDM Software (Optional)
Mounting Brackets	: Wall Mount Bracket Turnstile Mount Bracket 2 meter pole bracket for barrier
IP Compliant	: IP65 (Dual Weatherproof Enclosure)
Battery Backup	: Yes

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