

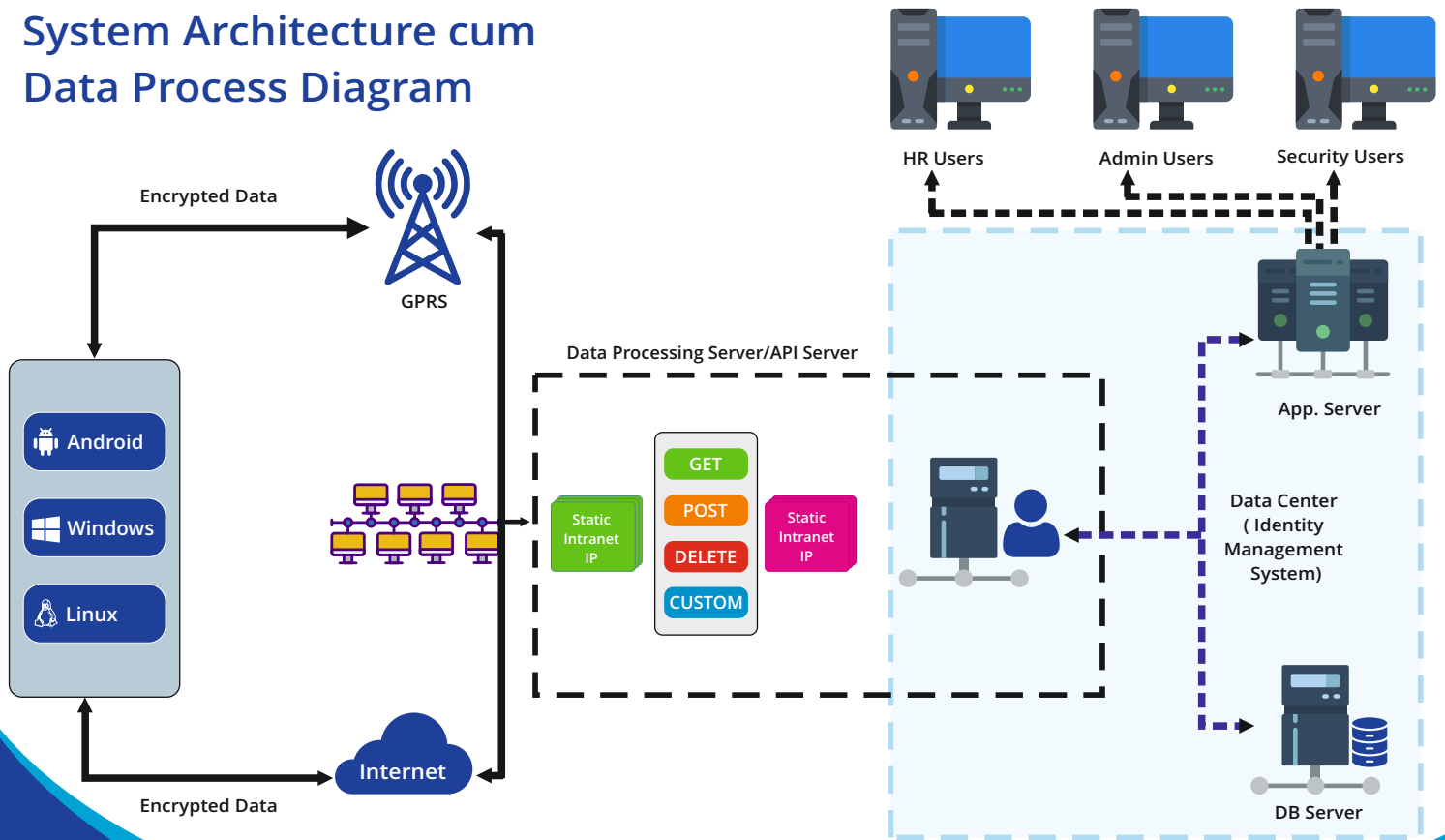
BioNIC F7P

BIONIC FACE

Enterprise Grade Fingerprint & Facial Recognition System



System Architecture cum Data Process Diagram



Bionic F7P

Bionic F7P is an advanced Fingerprint & Facial recognition device. The device comes with a stunning 8-inch IPS display along with a dual-lens camera which provides accurate results.

Features

- ◆ High speed processor for quick matching and accuracy
- ◆ Mobile network support for non network location
- ◆ Dual camera for liveliness detection and 3D photo capture to manage high accuracy
- ◆ Industries among best facial algorithm in NIST
- ◆ No proprietary card memory map, customize for every client to manage card security for specific customer
- ◆ Face mask wearing alerts. However, facial recognition accuracy would be decreased due to face mask
- ◆ Bionic F7P device can be strongly utilized in public spaces such as health institutions, airports, railway stations and also in office premises.

Specification

General Features

Device Type	: High end Facial with Fingerprint Terminal
Screen Size	: 8 inch IPS
Operating System	: Android 7 and higher
Processor	: Dual core 1.8GHz + Quad Core 1.4GHz
Memory	: 4GB DDR RAM, 16GB Emmc
Card	: ISO 14443 Type A/B Mifare, ISO 18092 compliants (Optional)
Communication	: Ethernet / Bluetooth / WIFI
Mobile Communication	: GPRS / LTE SIM Card (Optional)
Transactions Logs	: 300000 data logs
Peripheral Ports	: Power: DC Jack
Audio	: Digital Audio Speaker, Microphone
Environment	: Operating Temperature: -5 degree to +50 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 Protection	: IP65 for face terminal and IP54 for with Finger Terminal

Face Features

Camera	: Dual Lens camera RGB+IR (2MP + 1.3 MP)
Face Capture	: White LED
Liveliness Sensor	: Infrared Camera
Capture Distance	: Within 0.8 meter to 1 meter for best use case
Engine Matching Speed	: 0.5 Second
User Turnaround Time	: 3 Second per user, including capture, matching and audio / visual validation
Face User Capacity	: For 20000/40000 Users 1:N Matching, For 40000 User 1:1 Matching


Fingerprint Features

Sensor Type	: Optical Infrared Sensor
Resolutions	: 500 DPI
Engine Matching Speed	: 0.5 Second
User Turnaround Time	: 3 Second per user, including capture, matching and audio / visual validation
Finger User Capacity	: For 20000/40000 Users 1:N Matching, For 40000 User 1:1 Matching
Finger Certifications	: STQC & FBI Certified Fingerprint Sensor


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