

UNIVSPOS SDK + GATE

New Terminals?

Don't Replace Your Hardware.

Just Upgrade It.

Add face and palm biometric authentication to your existing terminals. No new hardware — just our SDK and Gate server.

<500

MS MATCH SPEED

200K+

TERMINALS CONNECTED

3

REST APIS



200K+ terminals connected in Korea via SDK integration



RGB Passive Liveness — blocks photos, videos & masks



Works with any Android terminal — no hardware swap

WHY SDK + GATE



Zero Hardware Cost

Use your existing terminals. No device swap needed. Just integrate the SDK and connect to Gate.



Sub-500ms Verification

Lightning-fast biometric matching through Gate server. Customers verify faster than tapping a card.



3 Simple REST APIs

/enroll, /liveness, /match — that's it. Clean, documented, ready to deploy in days, not months.



Proven at Scale

200K+ terminals connected for Korea's #1 fintech. Production-ready and field-tested at national scale.



Advanced Anti-Spoofing

RGB-based passive liveness detection blocks all known attack vectors — photos, videos, and masks.



Gate Server Architecture

Centralized biometric processing. Terminals stay lightweight. Scale without upgrading every device.

HOW IT WORKS



STEP 1

Your Terminal

Existing POS terminal with camera. No hardware change required.



STEP 2

UnivsPOS SDK

Captures face + palm biometrics. Lightweight Android SDK.



STEP 3

Gate Server

Biometric matching engine. On-premise or cloud. GPU-accelerated.



STEP 4

Verified

Identity confirmed in <500ms. Result returned to terminal.

USE CASES

Retail & POS

Transportation

Financial Services

Access Control

Government ID

Theme Parks

Hotels & Hospitality

Healthcare

Education

Gate Server Architecture

Centralized biometric processing — your terminals stay lightweight

Gate Server

Deployment	On-premise or Cloud Docker / Kubernetes ready
Processing	GPU-accelerated NVIDIA T4 / A10 / A100
Database	10M+ registered users per node
Response Time	< 1 second (1:N match)
Throughput	1,000+ verifications/sec
High Availability	Active-active clustering Auto-failover
Security	TLS 1.3 / AES-256 Template-only storage

SDK Requirements

Platform	Android 8.0+
Camera	RGB 2MP minimum (5MP recommended)
Connection	Wi-Fi / 4G LTE / Ethernet to Gate Server
Integration	3 REST APIs /enroll · /liveness · /match
SDK Size	< 15MB APK overhead
Biometrics	Face + Palm Dual-modal support
Liveness	Passive Anti-Spoofing (RGB-only, no IR needed)

1:N Large-Scale Matching

10M+
Database Scale

Match against 10 million registered users in under 1 second. Proven in production with Korea's largest fintech.

99.97%
Accuracy

KISA-certified recognition accuracy with zero security incidents across 2M+ enrolled users.

< 1 sec
Response Time

Sub-second 1:N matching regardless of database size. GPU-accelerated feature vector search with compact templates.

Software & API

/enroll
Biometric Registration

Register face and palm biometrics. Both modalities in a single enrollment session with SDK.

/liveness
Spoof Detection

Passive liveness via RGB analysis. Blocks photos, replays, videos, and prosthetic masks — no IR required.

/match
Identity Verification

Face + Palm simultaneous matching in <500ms. Returns confidence score and match result via REST.

Partnership Models

CASE A

SDK License

Per-terminal SDK licensing. You handle deployment on your existing terminals — we provide the SDK, Gate server software, and ongoing support.

200,000+

Terminals connected via SDK — Korea's #1 Fintech

CASE B

Managed Gate

We operate the Gate server infrastructure. You integrate the SDK into your terminals. Pay per transaction — zero server management on your side.

99.97%

KISA-certified accuracy — zero security incidents

Ready to Upgrade Your Terminals?

See the SDK + Gate integration in action. Schedule a live demo or discuss partnership opportunities.

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