

UNIVSPOS TURN-KEY PACKAGE

Everything in One Box.

World's first Face + Palm integrated biometric EMV payment terminal. Hardware + Software + API — complete end-to-end solution from day one.

<500

MS MATCH SPEED

9

PAYMENT METHODS

3

MONTHS TO DEPLOY



- ✓

Face + Palm dual biometric — global first
- ✓

EMV card + NFC + mobile pay included
- ✓

3 months from order to production

WHY UNIVSPOS TURN-KEY

**All-in-One Device**  
Face camera + Palm camera + NFC + IC + MSR + printer + display — everything in one terminal.

**Sub-500ms Verification**  
Face + Palm simultaneous matching. Faster than tapping a card.

**3 Months to Deploy**  
Order → configure → deploy. No separate technology development or hardware sourcing needed.

**One Device Replaces Two**  
No separate face terminal + palm terminal. Deployment cost cut in half.

**Passive Anti-Spoofing**  
RGB-only liveness detection. Blocks photos, videos, masks. No IR camera needed.

**Simple SDK Integration**  
3 REST APIs. USB or Ethernet. Your payment app connects in days.

9 WAYS TO PAY IN 1 DEVICE

**Face Pay**  
5MP RGB · 60cm

**Palm Pay**  
5MP RGB · 30cm

**NFC Contactless**  
Tap to Pay

**IC Card**  
EMV Chip

**Magnetic Swipe**  
MSR

**Apple Pay**  
via NFC

**Google Pay**  
via NFC

**Samsung Pay**  
NFC + MST

**Liveness Guard**  
Anti-Spoof

USE CASES

- Retail & POS
- Transportation
- Financial Services
- Access Control
- Theme Parks
- Hotels & Hospitality
- Healthcare
- Education

## Hardware Specifications

Designed & engineered by UniverseAI

### Platform

|              |                                                                            |
|--------------|----------------------------------------------------------------------------|
| Processor    | MediaTek MT8786 (Helio G95)<br>Octa-core A75×2 + A55×6<br>Mali-G52 MC2 GPU |
| Display      | 7" IPS LCD 1280×800<br>Capacitive Touch                                    |
| Memory       | 3GB RAM / 32GB Storage                                                     |
| OS           | Android 12                                                                 |
| Connectivity | Wi-Fi 2.4/5G, Bluetooth 5.1 (LE)<br>Ethernet + 4G LTE                      |
| Ports        | USB-C + Serial + Ethernet                                                  |
| Printer      | 58mm thermal (built-in)                                                    |

### Biometric & Payment

|               |                                                   |
|---------------|---------------------------------------------------|
| Camera — Face | 1× RGB 5MP<br>Optimized for 60cm                  |
| Camera — Palm | 1× RGB 5MP<br>Optimized for 30cm                  |
| Liveness      | Passive Anti-Spoofing<br>(RGB-only, no IR needed) |
| Matching      | < 500 ms                                          |
| Card Payment  | NFC + IC (Chip) + MSR (Swipe)                     |
| Mobile Pay    | Apple Pay / Google Pay / Samsung Pay              |
| Certification | EMV L1/L2 (planned)                               |

## 1:N Matching + API

**10M+ in <1 sec**

**Large-Scale Matching**

Search 10M+ registered users in under 1 second. 99.97% accuracy. GPU-accelerated.

**/enroll + /match**

**Simple Integration**

3 REST APIs: enroll, liveness, match. Face + Palm in a single session.

**Gate Server**

**On-premise or Cloud**

Deploy Gate engine wherever you need. NVIDIA L4/T4/A100. Full dashboard included.

## What's in the Box

**UnivsPOS Hardware**

Terminal with dual cameras, NFC, IC, MSR, printer, display — ready to use

**SDK + Gate License**

Pre-installed SDK + Gate server license. Face + Palm biometric engine included

**Training + Support**

API documentation, integration guide, deployment training, and technical support

## Why UnivsPOS Wins

| Category         | Traditional Setup             | UnivsPOS Turn-key        |
|------------------|-------------------------------|--------------------------|
| Devices Required | Face terminal + Palm terminal | 1 device (all-in-one)    |
| Hardware Cost    | 2x terminal cost              | Single device cost       |
| Deployment Time  | 6-12 months custom build      | 3 months, ready to go    |
| Payment Methods  | 2-3 (biometric only)          | 9 methods in 1 device    |
| Integration      | Multiple SDKs & vendors       | 3 REST APIs, plug & play |
| Matching Speed   | > 1 second                    | < 500ms (Face + Palm)    |
| Maintenance      | 2 devices, 2 contracts        | 1 device, 1 contract     |

50% Lower Cost

75% Faster Deployment

3x More Payment Methods

1 Single Device

## Ready to Deploy Biometric Payments?

Get the complete package — hardware, software, and support. From order to production in 3 months.

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