

# IDEMIA SIGMA Wide - Datasheet

## Product Overview

- Display: 5" WVGA color capacitive touchscreen
- Processor: ARM Cortex-A9 core 1GHz
- Operating System: Linux-based
- Camera: Integrated for videophone functionality and face detection
- Audio: Built-in loudspeaker and microphone
- Touchscreen: Capacitive, supporting intuitive user interactions

## Biometric & Security Features

- Fingerprint Sensor: 23x23mm optical sensor, 500dpi, FBI PIV IQS certified
- User Capacity: 5,000 users, expandable to 10K, 50K, or 100K
- Templates: Supports IDEMIA, ANSI 378, ISO 19794-2, MINEX, DIN v66400
- Fake Finger Detection: Patented electro-optical technology, Common Criteria certified
- Duress Finger: Allows a specific fingerprint to trigger an alarm
- Data Protection: AES-256 database encryption, GDPR-ready

## Connectivity & Integration

- Network Interfaces: Ethernet, RS485, RS422, USB (host & slave), optional Wi-Fi
- Inputs/Outputs:
  - Wiegand In & Out (customizable up to 512 bits)

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- OSDP v1 and v2 (Secure Channel AES-128 Encrypted)
- 3 General Purpose Inputs (including door monitoring)
- 3 General Purpose Outputs
- Power Supply: 12V-24V DC, Power over Ethernet (PoE)
- Card Reader Options: Prox(R), iClass(R), MIFARE(R), MIFARE Plus(R), DESFire(R), NFC

### **Time & Attendance Features**

- Function Keys: Up to 16 programmable keys
- Real-Time Notifications: Provides immediate feedback to users
- Job Code Management: Tracks specific tasks or roles
- Transaction Log Capacity: Stores up to 1 million logs
- Face Picture Log Capacity: Up to 10,000 pictures

### **Physical & Environmental Specifications**

- Dimensions: 153mm x 151mm x 58.5mm
- Certifications: CE, CB, UL 294 Indoors, FCC, RoHS, REACH, WEEE
- Environmental Protection: IP65 rated for dust and water resistance