MorphoWave™ XP
Contactless fingerprint terminal with extended performance
Key benefits

Why IDEMIA?

With more than 40 years of experience in biometrics and over 4 billion fingerprints managed worldwide, IDEMIA achieves top-tier performance in independent tests (such as NIST evaluations).

Our algorithms, sensor technologies and manufacturing expertise make us the partner of choice for many biometric deployments around the world.

We provide biometric products and solutions to governments, law institutions and public services where identity, authentication and security are a priority.

» Touchless fingerprint scanning
» High throughput with up to 60 users/min
» Time & Attendance management
» Accurate & fast
» Hygienic
» Up to 100K user records in 1:n

IDEMIA continuously invests in MorphoWave™ technology since 2016, improving ergonomics, speed, and accuracy to leverage the latest advancements with the use of Artificial Intelligence.
Key features

Accuracy and performance
3D scanning of 4 contactless fingerprints

- Scan and verification of 4 fingers in less than 1 second of up to 100,000 users

Field proven contactless technology
Users are identified with a simple, hygienic contactless wave of the hand

- Either left or right hand, in any direction
- Copes with wet, dry, or damaged fingers

IDEMIA best algorithms performance

2019 Accuracy and Interoperability Test
Key features

Multi-factor authentication capability with built-in RFID & BLE readers
Reads all kinds of contactless card technologies as well as mobile credentials

- Mifare, Desfire, HID Prox, iClass, SEOS
- Biometric data can be stored in the card
- HID Mobile Access via BLE or NFC*
- QR code scanning for visitors**
- Customizable large display
- Time & Attendance management

* NFC: on Android only
** QR code printed on paper only
Key features

Plug & play with most industry players for easier and faster deployments
Already supported by most PACS platforms, communication with door controller by OSDP secure mode and integrated by leading gate vendors

Multiple use cases and installation configurations
Walls, turnstiles, gates, pedestals

Quick and easy installation & maintenance to save on deployment costs
Thick wall plate to fix the product
Simpler cabling & plugging
Accessories

**VISOR**
For outdoor installations where the device and its sensor are exposed to heavy rains or harsh sunlight.

**TOWER**
Stylish pedestal for easy installation. Available in black or brushed steel finish.
Support & Services

An optimized offering

- Benefit from IDEMIA's world leading expertise to leverage knowledge and mastery of biometric solutions.
- Have the assurance that product configuration is constantly optimized for accuracy, security and privacy.
- Receive a high level of reactivity and support from our Customer Care Center.
- Have visibility and guidance to anticipate the future.
Specifications

Technical specifications

- **CPU**: Nvidia AMP Cortex A15 Quad core, 2.1 GHz
- **4.3” WVGA color capacitive touchscreen**
- **Loudspeaker & microphone**
- **Intercom function**
- **Audio & video player**
- **Touchless fingerprint sensor**: Hand presence detection, QR code scanning capability (1)
- **Contactless reader options**: Prox, iClass, MIFARE/DESFire, SEOS, HID mobile access
- **Tamper switches**
- **Internal storage capacity**: 16 GB Flash, 2 GB RAM
- 40,000 user records (2”x 4 fingers each) for 1:N identification, extendable to 100,000 with license
- 250,000 IDs in authorized user list
- 1 Million transaction logs
- **Network/Communication**
  - Ethernet, RS485, RS422, USB (2)
  - Wi-Fi and 4G options
- **Inputs/outputs**: Wiegand In & Out (customizable up to 512 bits), OSDP, Door relay, 3 GPI (including door monitoring), 3 GPO
- **Power supply**: 12 to 24 V DC (2.5A min @12V)
- **Power over Ethernet with PoE+ switches**
- **Operating conditions**
  - Temperature: -10°C to 55°C (14°F to 131°F)
  - Humidity: 10%-80% (non condensing)
- **Ingress protection**: IP65 (3)
- **HxWxD**: 250*152*216 mm (9.9*6*8.5 in)
- **Weight**: 2.2 kg (4.85 lb.)

References & ordering numbers

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<th>Marketing name</th>
<th>Regulatory model</th>
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(1) Printed QR codes only: specifications available on demand
(2) Micro-USB port for terminal configuration or dongle (WI-FI) connection
(3) Recommendation for outdoor installation: avoid direct exposure of sensor to rain and sunlight (e.g. place under a canopy)

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