

MorphoWave® Tower Biometric Access Control Reader

Features That Make a Difference:

- 40K onboard user capacity (320K templates)
- Support for 1:N fingerprint identification
- Acquisition is dynamic, high-speed and 100% touchless
- Dual channel optical system to capture the largest biometric area
- Immune to finger pressure variations
- No ghost images (latent prints) left on scanner
- Mitigates hygiene and cultural concerns
- Robust against external light and dust
- Designed and manufactured in-house by Safran Identity & Security



The Ultimate in Efficiency

As enterprises continue to move towards efficiency, frictionless access to controlled areas is paramount. Users need to be able to gain access naturally, without having to break gait. MorphoWave® Tower is the world's first biometric access solution capturing and matching four fingerprints with a single hand movement. It implements a patented, truly contactless technology that not only acquires extremely accurate fingerprint data, but also overcomes the challenges wet/dry fingers and latent prints pose to conventional scanning systems.

Intuitive, Flexible User Interface

Developed around the look and feel of today's most intuitive consumer electronics, the MorphoWave® Tower is designed for fast user adoption:

- 5" WVGA color touch-screen highlighting sophisticated graphic user interface
- Seamless on device administration
- Extensive customization capabilities using your own content (corporate video, audio messages, wallpapers, etc.)
- Time & Attendance features including programmable function keys, real-time employee notifications, and job code management

Patented Touchless Sensor

The dynamic, patented touchless sensor provided by MorphoWave® Tower allows users to remain 'on the move' when passing through a control point, making it ideal for securing high traffic areas.

- Four finger 'on the fly' capture
- Easily copes with dry and wet fingers
- No ghost images left on scanner
- Mitigates hygiene concerns
- Robust against external light and dust
- FBI PIV IQS certified

Integration with Access Control

Safran Security & Identity provides an access control integration middleware called BioBridge. BioBridge is an enrollment and synchronization middleware that overlays enrollment and demographic synchronization between MorphoManager and C•CURE 9000. BioBridge is compatible with the new MorphoWave® Tower.

Specifications

General

Models Indoor only
 CPU ARM® Cortex™ - A9 core 1GHz
 Operating System Linux
 Display 5" WVGA color touchscreen
 Audio Yes, loudspeaker and microphone
 Video Yes, audio and video player
 Sensor FBI PIV IQS certified optical contactless fingerprint sensor contactless reader
 Card Options Prox®, iCLASS®, MIFARE®, MIFARE® Plus, DESFire®, NFC
 Network/Communication Ethernet, RS-485, RS-422
 Internal Storage Capacity 1:N identification capability: 1:40,000 users in database; 320,000 templates
 Log Storage Capacity 1 million transactions
 Inputs/Outputs Wiegand IN/OUT (customizable up to 512 bits), door relay, 2 General Purpose Inputs, 2 General Purpose Outputs

Enclosure

Dimensions (HxWxD) 17 x 113 x 31 cm (6.75 x 44.5 x 12 in)
 Weight 31 kg (68 lbs)

Electrical

Power Supply 100 – 240V (50 – 60 Hz)

Environmental

Operating Conditions Indoor use; 10° C to 35° C (50° F to 95° F)

Regulatory

Agency Certifications CE, FCC, ETL
 Compliance RoHS, REACH, WEEE

Model Numbers	Description
MOR-520200001006	MorphoWave Tower, 1:10K users, Wiegand I/O and door relay, stainless steel
MOR-520200001005	MorphoWave Tower, 1:10K users, Wiegand I/O and door relay, black
MOR-ME2044000BA	MorphoManager Pro - MorphoWave desktop enrollment scanner

Related Products



Approvals

