Combined with Morpho biometric terminals, MorphoManager by IDEMIA provides a seamless, comprehensive solution for Access Control and Time & Attendance applications. It offers easy configuration, group-based settings, centralized management and detailed reporting.

- Enroll fingerprint, finger vein/print and 3D facial templates in a single system
- Encode MIFARE®, DESFire® and iClass® smartcards
- Manage up to 100,000 users and 5,000 biometric terminals
- Use as standalone application or integrated with leading access control platforms
USER MANAGEMENT
- Manage up to 100,000 users in database
- Enroll demographics, photo, fingerprint/finger vein data (up to 10 fingers) and 3D face data
- Maximize data acquisition quality and overall biometric system performance using sensors, coding algorithms and enrollment processes designed by the World #1 in biometrics
- Allocate Operator roles and privileges
- Define User access time slots and group assignment
- Encode MIFARE®, DESFire® and iClass® contactless cards
- Print identity cards from customizable templates

DEPLOYMENT OPTIONS
- Save time and money with reduced setup time, intuitive interface and field-proven workflows
- Single PC or advanced Client/Server configuration
- MorphoManager by IDEMIA includes powerful integration into the following leading access control platforms(1):
  - ABC Financial DataTrak
  - AMAG Symmetry
  - Apollo APACS
  - Blackboard Transact
  - Brivo ACS
  - Cisco CPAM
  - ControlSoft Identity Access, Lite/Pro
  - DSX WinDSX
  - Entry-Master
  - Galaxy Control Systems
  - GE / UTC Picture Perfect
  - Honeywell WIN-PAK (SE/PE), Pro-Watch
  - Identicard Premisys
  - MorphoManager by IDEMIA can also operate standalone, or be interfaced with other Access Control and Time & Attendance systems(2)

TERMINAL ADMINISTRATION
- Connect and configure up to 5,000 biometric readers via LAN, WAN or Wi-Fi
- Integrate multiple biometric modalities (fingerprint, finger vein and face) and multiple recognition factors (biometrics, card and PIN) in a single system
- Group terminals according to security perimeters within the installation
- Select conventional access control mode or advanced time & attendance features
- Set Wiegand or closed contact output

RECORDING & BACKUP TOOLS
- Retrieve in real-time and store up to 1,000,000 access logs
- User Onsite/Offsite reporting
- Accurate time recording
- Various reporting options available to display information about:
  - User activity
  - Terminal activity
  - Group activity
- Automatic export of transaction history for import into payroll packages
- Database backup and copy tools

PACK OPTIONS
- USB Desktop Enrollment Scanner (included)

<table>
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<th>PACK OPTIONS</th>
<th>USB Desktop Enrollment Scanner (included)</th>
<th>Recommended for</th>
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<tbody>
<tr>
<td>MorphoManager LIGHT</td>
<td>MSO 1300</td>
<td>Single PC administration of a limited number of terminals (fingerprint and facial)</td>
</tr>
<tr>
<td>MorphoManager PRO</td>
<td>MSO 300</td>
<td>Client/Server administration of medium to large installations (fingerprint and facial terminals)</td>
</tr>
<tr>
<td>MorphoManager WAVE</td>
<td>MorphoWave™ Compact by IDEMIA</td>
<td>Single PC or Client/Server administration of installations including touchless fingerprint technology terminals</td>
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<td>MorphoManager MULTIMODAL</td>
<td>FINGER VP Desktop</td>
<td>Single PC or Client/Server administration of installations including multimodal vein/print terminals</td>
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</table>

Technical specifications

HARDWARE CONFIGURATION
- Processor: Dual core CPU
- RAM: 4 GB
- Ports: 3 USB ports
- Network: 100Mbs Ethernet port required for client/server connections
- Camera: any USB webcam

OPERATING SYSTEMS
- Windows 7 SP1 / 8.1 / 10 (client: 32/64 bit, server: 64 bit)
- Windows Server 2008 R2 SP1 / 2012 / 2012 R2 (client/server: 64 bit)

DATABASE
- SQL Server (2005 or later)
- SQL Server Compact Edition 4.0

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(1) MorphoManager by IDEMIA is compatible with the platforms presented here at time of publication. This list is continually being enlarged to incorporate new platforms.
(2) Contact your local representative for further details.