spica

Morpho Sigma Integration

Morpho, recently acquired by Idemia, is world leading biometric technology provider. Time&Space supports Sigma time clocks and Sigma Lite access control readers since version 8.

TIME⊗SPACE

Time&Space supports Sigma biometric time recording terminals from Morpho (www.morpho.com). Sigma line of terminals (Sigma, Sigma Extreme, Sigma Lite, Sigma Lite+) provides the ultimate set of features for the most demanding users, such as:

- State-of-the-art fingerprint verification and identification
- Support for legacy biometric templates (Bioscrypt, L1)
- Large colour touchscreen display

Built in camera

Full set of RFID reader technologies

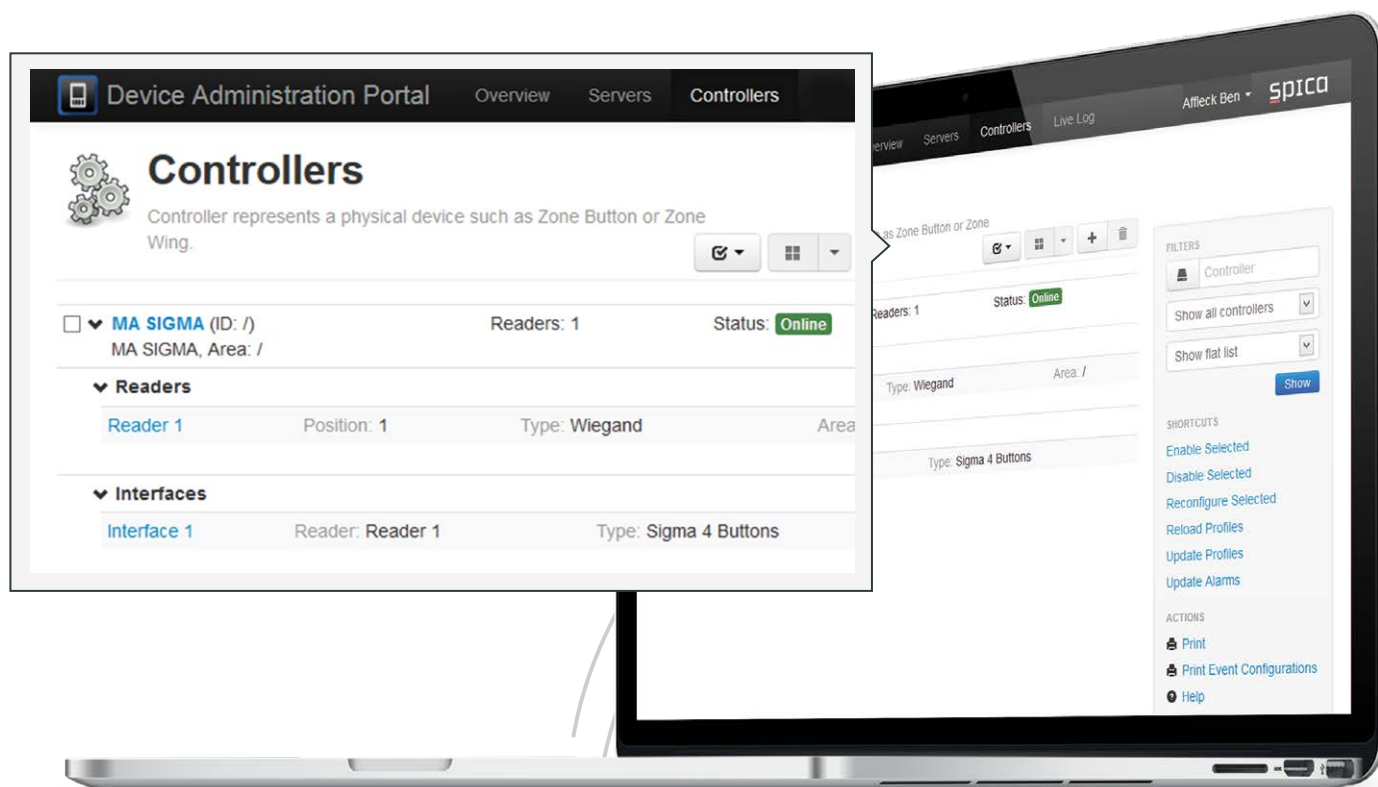Weather resistant version available (IP65)

Time Recording Integration

Device Administration Portal (DAP) module is used for device configuration and data collection setup, where Sigma time recording features are matched to corresponding Time&Space features.

The following Sigma functions are supported:

- Automatic Date/Time synchronization
- Keep alive
- Interface Types: Reader Only, 4 Buttons and 16 Buttons
- Verification Modes: Badge, Badge + Fingerprint, Badge + PIN, Badge + Fingerprint + PIN, Fingerprint + PIN, Fingerprint
- VIP Users: Bypass PIN and Fingerprint verification

In online mode, time clockings are confirmed with realtime information (Sigma showing User Name, Event, Hours Balance, Available Vacation).

Camera Integration

The integration introduces a new Time&Space feature unique to Sigma, photo taking using the built-in camera. The photo is stored to Time&Space database and linked to the corresponding time recording or access event and can be used as an additional identity check.

Photo taking can be combined with Morpho's built-in face detection feature which can be set up to work in three different modes:
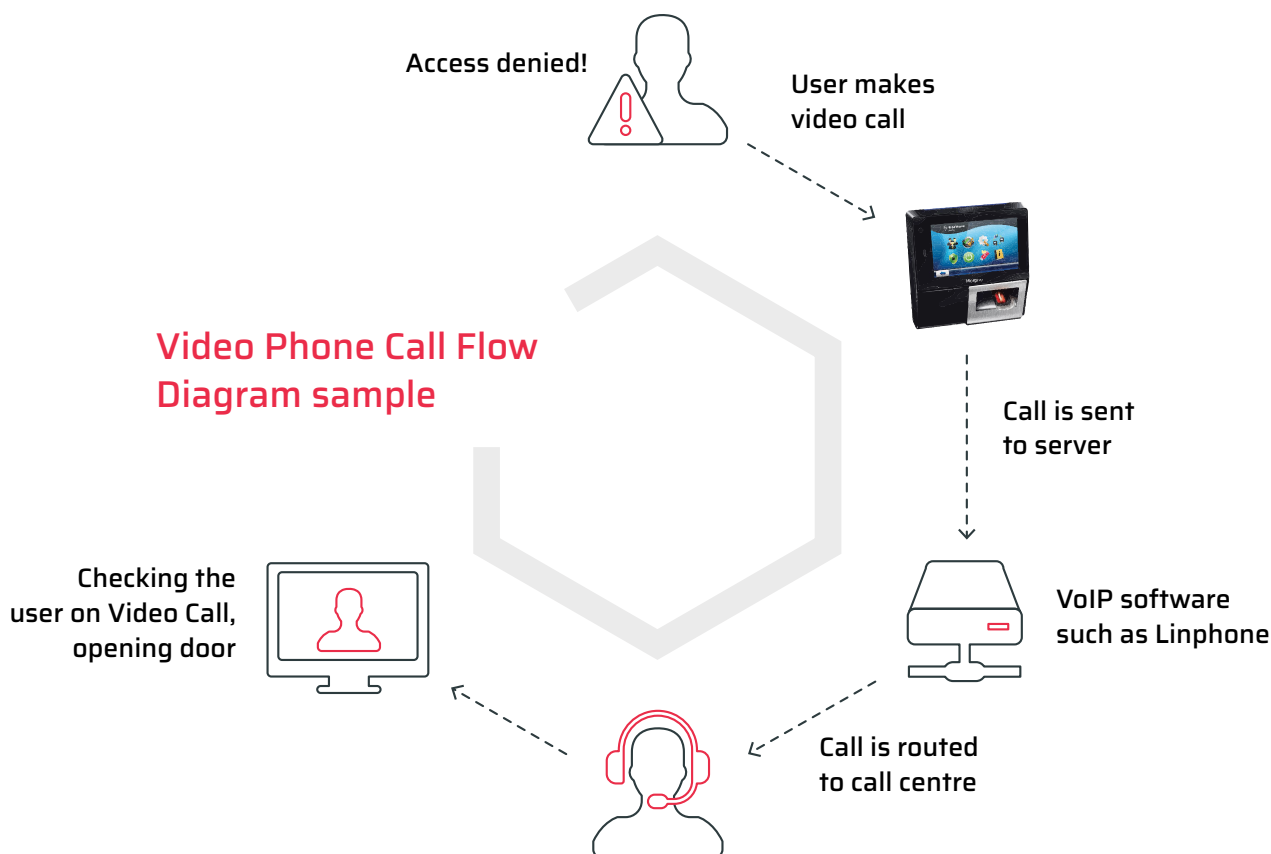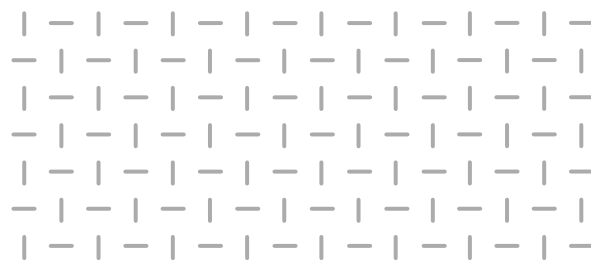
- Photo Taking: one photo is taken and stored, no detection
- Best Detection: several photos are taken, best face capture is stored
- Mandatory Detection: several photos are taken, access is rejected unless a face is detected

Sigma also offers a videophone function which is independent from other functions and can be integrated using popular client or web based videophone software solutions.

Advanced features:

Videophone and video user assistance with the built-in camera.

Photo taking can be combined with Morpho's built-in face detection feature.

Video Phone Call Flow Diagram sample

Access denied!

User makes video call

Call is sent to server

VoIP software such as Linphone

Call is routed to call centre

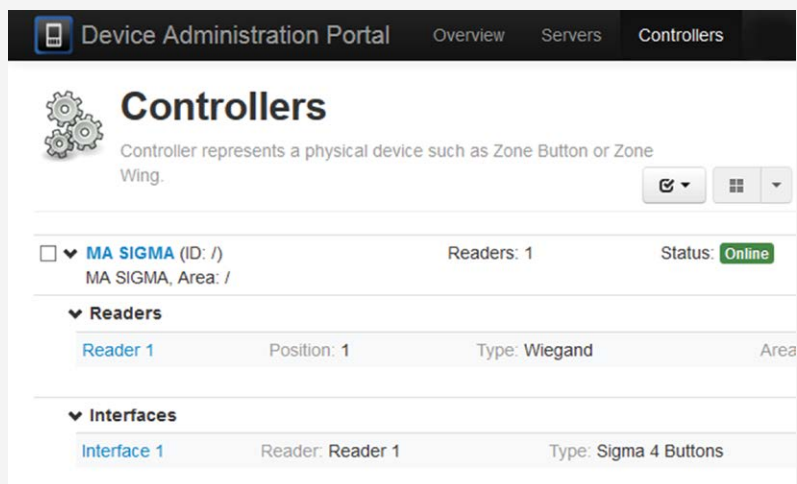Checking the user on Video Call, opening door

Access Control Integration

The Device Administration Portal (DAP) module is also used for controlling Sigma access control features (single door control with access schedules). Sigma access schedules are mapped to Time&Space access control schedules.

The following Sigma alarms are also supported: Open Door, Forced Door, Unknown User, Unauthorized User. Alarms can be set to trigger taking a photo as an additional surveillance feature.

⊕ Open Door

⊕ Forced Door

⊕ Unknown User

⊕ Unauthorized User

Biometric Template Administration

Biometric Administration Portal (BAP) module is upgraded with support for Sigma PK Lite fingerprint templates. Templates are stored in Time&Space database.

Available functions:

· Template Enrolment/Verification/Copying/Deletion
· Individual/Mass Upload
· Individual/Mass Download