

# MORPHORAPID™ 2

RUGGED AND VERSATILE MOBILE ID DEVICE



## Identify subjects and check ID documents in the field

- **Fingerprint and face recognition**
  - FAP 30, FBI certified fingerprint sensor
  - 8MP camera with flash for portrait capture
  - On-device or remote matching using Morpho's world leading algorithms
- **Multiple credential reading**
  - Contact/contactless smartcards, 1D/2D barcodes, e-passports
- **Wireless connectivity**
  - 4G/3G cellular, Wi-Fi, Bluetooth 4.0
- **Sturdy for extensive use under demanding conditions**

# MORPHORAPID™ 2

## RUGGED AND VERSATILE MOBILE ID DEVICE

**MorphoRapID™ 2** is a rugged, handheld biometric device specifically designed for law enforcement, border control, and immigration officers who need to have autonomous operational capabilities in the palm of their hands.

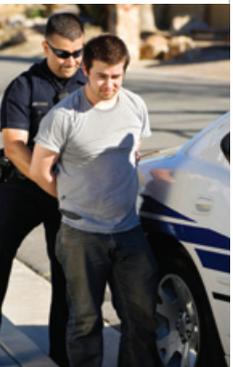
Using Morpho's world-renowned fingerprint and face matching algorithms, and featuring multiple credential reading options, MorphoRapID™ 2 enables security professionals to perform real-time operations in the field, including:

- **Remote identification**, by capturing and transmitting to an ABIS an unknown subject's fingerprints or portrait, then receiving match results. MorphoRapID™ 2 is fully integrated into the **Morpho Criminal Justice Suite** and handles multiple searches simultaneously.
- **On-device identification**, by matching a person's fingerprints against those previously stored in local watch lists in the device's memory.
- **ID document verification**, by comparing the biometric data embedded in the document with the holder's live fingerprint or portrait capture. Supported credentials comprise contact and contactless ID cards or driving licenses, 1D/2D barcodes and e-passports.

With its easy grip, smartphone-like design features, and a suite of intuitive apps, MorphoRapID™ 2 doesn't require training. Users quickly gain proficiency to protect borders, make communities safer, and solve more crimes.



### CRIMINAL IDENTIFICATION



### BORDER CONTROL



### ID DOCUMENT CHECK



### AIRPORT SECURITY



## OPERATING MODES

### STANDALONE MODE

ID check, search in local watch list, etc.



### CONNECTED MODE

Remote identification on ABIS, remote enrollment, etc.



GATEWAY



BACK END SYSTEM



## FEATURES AT A GLANCE



### Barcode reader (option)

1D / 2D imager

### LED indicator

RGB

### Fingerprint sensor

FAP 30, FBI PIV-071006 certified  
500 ppi

### Color capacitive touchscreen

4.5" WVGA (1280 x 720)  
Super wide view  
Strengthened glass  
Ambient light sensor

### Dual Core 1.5 GHz processor

Qualcomm Snapdragon®

### Vibration device, Accelerometer, Proximity sensor

### Microphone

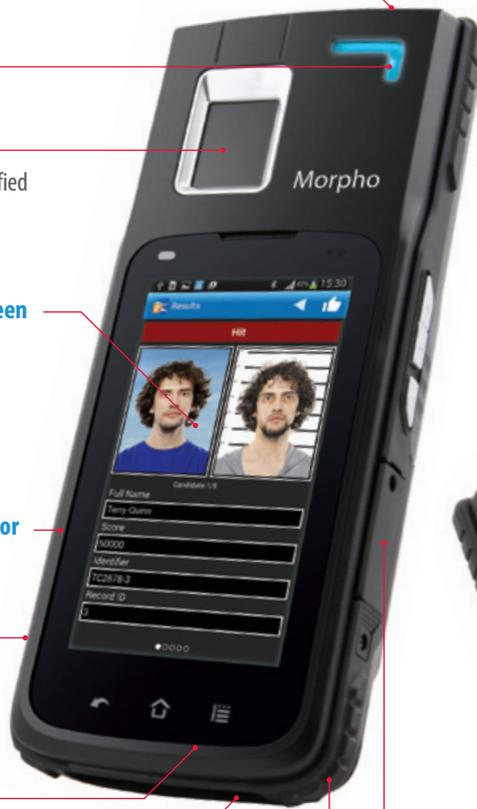
### Micro-USB

2.0 OTG

### Elastomer protection

### 2 SIM

### 1 SAM



### 8 MP camera

Auto Focus, Flash

### Speaker

### Contactless reader (option)

ISO 14443 A/B  
ICAO  
CAC, PIV, TWIC  
MIFARE®/DESFire®

### Battery

Li-ion 3.7 V - 3450 mAh

### Hand strap

### Contact reader (option)

ISO 7816 1/2/3 (T=0 & T=1)  
ICAO  
CAC, PIV, TWIC



### Memory

1 GB RAM, 8 GB Flash  
microSD High Capacity slot  
(up to 32 GB)

## SOFTWARE SUITE



MorphoRapID™ 2 runs Android Operating System and comes with **Morpho iMobile suite (MiMs)**, a set of configurable applications designed for:

- **Enrollment**  
Demographics, portrait, fingerprints, documents and signature capture
- **Secure ID document verification**
- **Person identification**
  - On-device or remote fingerprint identification
  - Remote face identification
- **Crime scene investigation**

## TECHNICAL INFORMATION

- **Dimensions (WxLxH):** 82\*200\*40 mm (3.2\*7.8\*1.57 inches)
- **Weight:** 600g (1.32 lbs.)
- **Cellular communication:** 4G/LTE (operator/country dependent), 3G - Voice and data
- **Wi-Fi:** 802.11 a/b/g/n
- **Bluetooth:** 4.0 - Class 2 EDR
- **GPS:** less than 5 meters accuracy
- **Ingress Protection:** IP 54
- **Drop test:** 1.5 m (4.9 ft.) multiple drops
- **Temperature range:**
  - Operating: -20° to 60°C (-4° to 140°F)
  - Storage: -40° to 60°C (-40° to 140°F)
- **Humidity range:** RH < 93 %
- **EMC/Safety standards:** CE, FCC
- **RoHS, REACH and WEEE compliant**
- **Accessories:**
  - In box: data/charge cable (1m), battery charger, hand strap, stylus
  - Optional: docking station, data/charge cable (2m), cigar lighter adaptor, screen protector, holster, case

## KEY MISSIONS, KEY TECHNOLOGIES, KEY TALENTS

### Morpho

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