



Benefits

- IP65 Water and dust protected rugged casing
- Auto Capture & Image quality feedback through Dual color LED indicators
- Single cable USB 2.0 interface for data transfer and power
- Easy to understand user guidance by illumination and fully automatic image capture software

Features



Supports Flat Capture



WHQL certified Device Driver



Better User Interface by LED Indicators



FBI Appendix F-Compliance*



USB 2.0, USB-IF certified*



Scratch-Free Surface



Water & Dust Protected Rugged Casing

Multi Fingerprint Scanner

MORPHS

MORPHS is a unique & portable ten-print fingerprint capture device used to capture multi fingerprints. The device is ideal for delivering fast, accurate and reliable fingerprint capture results for biometric verification, identification and enrollment applications. MORPHS is widely used for enrolling citizens by local or central government organizations, UID-Aadhaar, NPR, National ID projects, World Bank and UNESCO schemes. Additionally, an ergonomic design combined with an easy-to-integrate SDK architecture makes MORPHS the perfect choice for system integrators and solution providers.



At a Glance

Sensor

Parameters	Specification
Fingerprint Sensor Type	: Optical Scratch Free Sensor
Pixel Resolution	: 500 DPI +/- 1%
Platen Area	: 3.5 x 3.2 in. (90 x 81 mm)
Capturing Format	: Flat Four fingers & Two thumbs
Active Platen Area	: 3.2 x 3.0 Inch (81.2 x 76.2 mm)
Finger Image Pixels	: 1600 x 1500 Pixels
Pixel Depth	: 8 Bits/Pixel (256 Gray Level)
Capturing Speed	: >= 4 frames/sec
Capture mode	: Auto capture with built-in quality check (incorporates NIST quality considerations)

Hardware

Parameters	Specification
Interface	: USB 2.0, USB-IF certified*
Operating Voltage	: 5V +/- 5% (USB Powered Device)
Current Consumption	: Operating : < 350 mA (Max) & Stand By : <80 mA (Max)
Operating Temperature	: 0 to 50 °C
Operating Humidity	: 10-90% RH, non-condensing
ESD protection	: Contact Discharge: +/- 4kV, Air Discharge: +/- 8kV
LED Indicators	: Power, Status, and fingerprint image quality
Dimension	: 173 x 147 x 121 mm
Weight	: 3.6 lbs (1.6 kg)

Certification

Parameters	Specification
Biometric Data Interchange Format	: ISO 19794-2 for minutiae & ISO 19794-4 for Image Template
EMI / EMC Compliance	: CE & FCC Part 15B class A
Environmental, Health and Safety	: RoHS
Safety	: EN/IEC 60950
BIS	: IS 13252 (Part 1)*
Image Quality	: FBI's IAFIS Appendix-F Compliance*
Ingress Protection Rating	: IP65
Device Driver	: WHQL certified

Platform

Parameters	Specification
Operating System	: Windows 32/64-Bit, Android, Linux

* Certification under process