

Mannix

OS Support & System Requirements

OS Support

- Android 15 or newer
- Windows Desktop Editions 11
- Linux Kernel 5.x, 6.x or newer supported release
 - Ubuntu 22.04LTS or newer
 - Debian 12 or newer

CPU

- x64 | 2.0GHz or higher ARM | 1.0 GHz or higher

Memory

- 1GB or higher



Model Number
MNSALKT-000

Images & Capture

Sensor Type

- ZTX Zero Bezel LES Active Optical™ technology

Camera

- TFT

Resolution

- 500 ppi/dpi

Grayscale

- 256 grayscale dynamic range

Image Size

- 2500 x 2500 pixels

Supported Image Formats

- RAW, JPEG, JPEG2000, BMP, PNG, WSQ (FBI-approved)

Encryption

- 256-bit AES keys and RSA algorithms

FBI / Image Certifications

- Appendix F-Certified and Appendix P-Compliant, FAP 60

Speed

- Min frame rate for flat capture > 6 fps
- Min frame rate for roll capture > 10 fps

API Interface

- Capture with one finger or with multiple fingers or palm; Capture of rolled fingerprints; Multi-device / multiprocessor support



Quality Scoring

- NFIQ v1 supported on all OSes and NFIQ2 for Windows

Weight & Dimensions

Product Weight

- 600 grams / 1.32 lbs

Platen Size

- 127.8 mm x 127.8 mm / 5.03" x 5.03"

Sensing Area

- 127.0 mm x 127.0 mm / 5.00" x 5.00"

Scanner Assembly Dimensions

- 161.0 mm x 160.9 mm x 20.3 mm / 6.34" x 6.33" x 0.80"

Power & Connectors

Interface

- USB 3.0

Connector Type

- USB-C Port

Power Source

- USB Host

USB Voltage Level

- 4.4v to 5.25v; full scanning < 500mA, typical > 475mA

Security Functionality

- Kensington Security Slot

Conformance & Certifications

USB Certification

- USB-IF USB.ORG

FCC / CA / CE / UKCA / KC Conformance

- FCC Part 15 Subpart B, Class B
- ICES-003 Issue 7, Class B
- CE: EN 55032:2015+A11:2020 Class B, EN 55035:2017+A11:2020
- Safety: EN IEC 62368-1:2020+A11:2020

Electrostatic Discharge

- In compliance with IEC 61000-4-2

Hazardous Material

- RoHS Directive 2011/65/EU with amendment 2017/2102

Vibration Test

- IEC 60068-2-64

Certifications

- Fingerprint Template Output Formats
 - ISO_19794_2_2005/2011
 - ISO_19794_4_2005/2011
 - ANSI_INCITS_378_2004
 - ANSI_INCITS_381_2004
- 500 PPI fingerprint capture supporting flats
- ISO 14001:20015

Temperature & Humidity

Operating Temperature

- -10°C ~ +55°C / 14°F ~ 131°F

Humidity

- 20~95% RH < 40°C / 104°F (Non-condensing)

Storage Temperature

- -40°C ~ +80°C / -40°F ~ 176°F

Surface & Systems

Ingress Protection / Water / Dust

- IP65 Sealed bezel to scanning surface

Surface Durability

- MIL-C-675c 4.5010, MIL-STD-810F

Surface Protection

- IB nanocoat

Cleaning & Sanitization

- For proper cleaning and disinfection of IB products, visit integratedbiometrics.com/cleaning

Mean-Time Between Failures (MTBF)

- Based on 200 full single-finger enrollments per day, the Kluso MTBF is 105.7 years.

ABOUT INTEGRATED BIOMETRICS

Integrated Biometrics (IB), a pioneer in biometrics technology, designs and manufactures advanced, high-resolution touchless identification SDK software and the world's most mobile, durable and reliable FBI-certified fingerprint sensors. Law enforcement, military, homeland security, national identity, election validation, financial and social services organizations around the world rely on Integrated Biometrics products for fast, accurate enrollment, identification and verification, even in remote locations under extreme conditions.