

PB510

USB Fingerprint Scanner



Product Description

The PB510 is a high quality Fingerprint Scanner, designed for Aadhaar based authentication applications including e-KYC, BHIM Aadhaar Pay, e-Sign, e-PDS, ABAS, Jeevan Pramaan and other enterprise Biometric Applications like 2FA, eSSO, SAP user authentication and others.

The scanner is certified by STQC and supports Android, Windows & Linux Operating Systems.

The PB510 Fingerprint Scanner utilizes advanced thinfilm optical imaging technology for generating superior quality fingerprint images. The user needs to simply place his/her finger on the blue illuminated platen and the onboard electronics quickly constructs the high quality fingerprint image.

The fingerprint recognition engine has an unmatched ability to enhance the fingerprint image and render superior performance even in the most constrained dermatological and environmental conditions.

Aadhaar L0 status & use subject to UIDAI timeline & certification sunset clause

Target Applications

BHIM Aadhaar Pay

e-KYC

- Banking and Financial Services
- Mutual Funds
- Telecom

2FA (Two Factor Authentication)

- Banking & Financial Services
- Corporates
- SAP integration

eSSO (enterprise Single Sign-On)

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Features

- Low power consumption
- Compact size
- Blue illumination
- Highly-durable top surface - 9H hardness
- High quality fingerprint image
- STQC Certified
- Counterfeit finger detection
- Latent finger rejection
- Compatible with Android, Windows and Linux



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TECHNICAL SPECIFICATION

PB 510

Interface	USB 2.0 Full Speed
Operating Systems	Android 4.5 or higher, Windows 7 or higher & Linux
Sensor Resolution	508 DPI
Platen Area	18.7 x 13.4 mm
Active Platen Area	18 x 12.8 mm
Image Size	256 x 360
Grayscale	256 Levels
Surface Coating	High-durability top surface 9H Hardness

Mechanical

Size (LxWxH)	61 x 40 x 13.13 (2.4 x 1.58 x 0.52 in)
Weight	40 gms

Operating Conditions

Humidity	10-90% relative humidity (non-condensing)
Temperature	0°C to 45°C

Storage Conditions

Humidity	Max 85% relative humidity (non-condensing)
Temperature	-20°C to 50°C
ESD Resistance	IEC61000-4-2 Air Discharge +/- 8KV

Power Requirements

Voltage	5V
Power Consumption	<120mA
Certification	STQC Certified, CE, RoHS Compliant



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