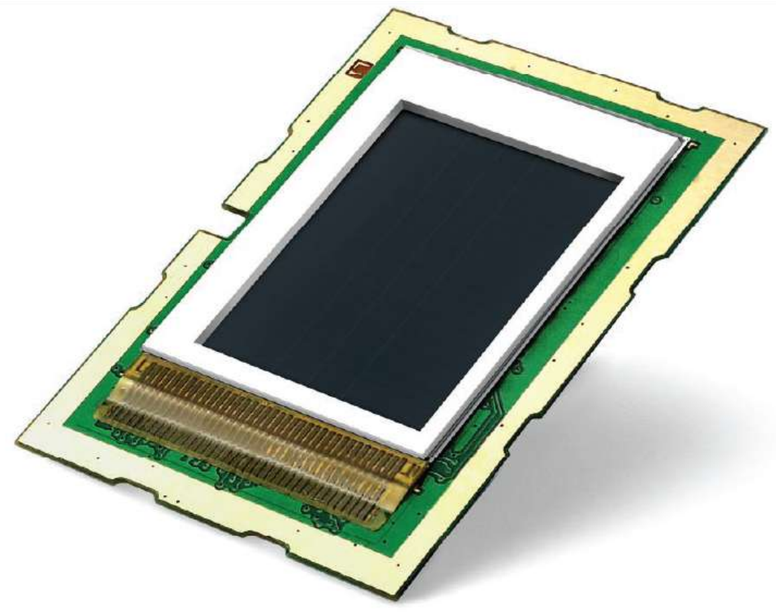
NEXT BIOMETRICS NB-65200-U



Reliable protection of assets and intellectual property starts right on an organization’s doorsteps and extends to logical access to networks and devices. Fingerprint-based access control solutions contribute to an encompassing security concept by offering a secure, fast, efficient and user-friendly means to manage security.

The NEXT Biometrics NB-65200-U takes NEXT Biometrics’ range of highly accurate and convenient fingerprint sensor solutions to an even higher level of security. Based on the FAP20 fingerprint sensor, the thinnest sensor of its kind, this high-performance fingerprint module is ideally suited for integration into a broad range of applications and devices.

Building on the patented and proven NEXT Active Thermal® principle, The NEXT Biometrics NB-65200-U offers excellent image quality and constant accurate performance, thus producing fewer false acceptance and false rejection rates than other available solutions and resulting in an excellent user experience.

The large-area, 500dpi resolution sensor reliably copes with real-life complexities like skewed finger placement, as well as damaged, aged, dirty, dry or wet fingers based on enhanced finger capture mode to provide high quality fingerprints. Automatic finger detection enables a quick scan when the finger is placed on the sensor. Equipped with a smart scan sequence, the sensor allows for capture of any custom image size.

The NEXT Biometrics NB-65200-U supports secure channel communication to transfer the encrypted fingerprint image to the host. The module meets FBI image quality standards and complies with PIV requirements specified by PIV-071006. Based on its anti-spoofing ability, it reliably rejects latent fingerprint images and prevents against fake finger attacks. In addition, the secure application locking feature enables secure end-to-end communication between the sensor module and customer applications.

The NEXT Biometrics NB-65200-U is well suited for use within the Windows Biometric Framework for fast and reliable Windows Hello authentication out of the box. LED support indicating finger placement and scan completion provides for an improved user experience.

NEXT Biometrics offers SDK support with one touch enrollment, 360-degree rotational tolerance and biometric performance of <1% FRR @0.01% FAR. The templates generated meet ISO/IEC19794-2:2011 for easy and seamless integration into a broad range of devices and end-user applications.

DESIGNED FOR INTEGRATION INTO

- Readers & peripherals
- Terminals & kiosks
- Notebooks, Tablets, PDAs and Handheld devices

SUITABLE FOR APPLICATIONS LIKE

- Physical access control
- Network and device security
- Banking, financial systems and mobile operators (eKYC)
- Healthcare and medical information systems
- Time & Attendance
- Visitor identification & management

ACTIVE SENSING AREA (MM):

15.24 × 20.32

www.nextbiometrics.com

NEXT BIOMETRICS NB-65200-U

FEATURES

- Enhanced Finger Capture Mode
- Automatic Finger Detection
- Anti-Latent Rejection
- Anti-Spoof & Fake Finger Detection
- AES-256 based application locking and secure communication
- Smart configurable scan mode supporting custom scan size
- LED support for enhanced user experience

NEXT BIOMETRICS SDK FEATURES

- ISO/IEC 19794-2 template format
- Complete rotational tolerance (360 degree)
- < 1% FRR @0.01% FAR
- One touch enrollment & verification
- Supports Windows 10/8.1/8/7, Android, Linux

TECHNICAL SPECIFICATIONS

Product Name	One Touch ID 2000
Module Ordering Number	NB-65200-U
Sensor Technology	*NEXT Active Thermal®* sensing (patented)
Specification	FBI PIV & Mobile ID FAP20
Module size (mm)	27.6 × 39.4 × 3.0
Active sensing area (mm)	15.24 × 20.32
Image size	300 × 400 pixels
Image resolution	500 ppi
Image gray scale levels	256
Image Quality	PIV (PIV-071006)
Logical interface	USB 1.1 Full-Speed, 2.0 Full-Speed
Physical interface	12-pin FPC connector
Power supply	5.0 V
Scan time	0.8 seconds
Scan current	Typical 90 mA
Standby current consumption	400 µA
Scratch resistance	DLC coating providing 20N @ 9H per ASTM D3363-00
ESD protection	±8 kV contact discharge, ±15 kV air discharge per IEC 61000-4-2
Dust/Water resistance	Enables IP67 protection according to IEC 60529
Operating conditions	-20°C to +60°C at 90% RH (non-condensing)
Storage conditions	-30°C to +70°C at 90% RH (non-condensing)

NEXT Biometrics capture your whole fingerprint

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