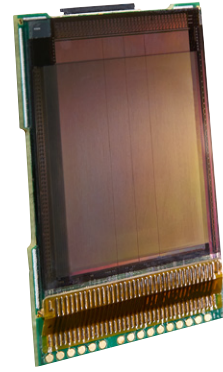




# NEXT BIOMETRICS BASALT - S

(aka NB-65210-S)



**NEXT Basalt Sensor Series has been specifically designed to meet highest security standards such as Aadhaar, MOSIP and PIV requirements from FBI.**

This high-performance FAP 20 sized fingerprint module is built on patented and proven NEXT Active Thermal® technology and is ideally suited for integration into a broad range of applications and devices.

The NEXT Basalt-S Sensor offers:

- Ultra-Slim Size Fingerprint footprint
- Superior Sensor Performance

The NEXT Basalt-S fingerprint module offers excellent image quality and constant accurate performance, thus producing fewer false acceptance and false rejection rates than other available solutions and resulting in excellent user experience. The module meets FBI image quality standards and complies with PIV requirements specified by PIV-071006.

The NEXT Basalt-S offers a high level of security. Based on its anti-spoofing ability, it reliably rejects latent fingerprint images and prevents against fake finger attacks.

NEXT Basalt-S fingerprint sensor offers:

- Excellent image quality, leading performance and excellent user experience.
- An FBI PIV compliant authentication sensor.
- Leading anti-spoofing technologies, reliably rejecting latent fingerprint images and preventing fake finger attacks.
- SDK support with one touch enrollment, 360-degree rotational tolerance and exceptional biometric performance.

## DESIGNED FOR INTEGRATION INTO

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

## SUITABLE FOR APPLICATIONS LIKE

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



## FEATURES

- Automatic Finger Detection
- Anti-Latent Rejection
- Anti-Spoof & Fake Finger Detection
- Smart configurable scan mode supporting custom scan size

## NEXT BIOMETRICS SDK FEATURES

- ISO/IEC 19794-2 template format
- Complete rotational tolerance (360 degree)
- < 1% FRR @0.01% FAR
- One touch enrollment
- Supports Windows 11/10/8.1/8/7, Android, Linux

## TECHNICAL SPECIFICATIONS

<b>Product Name</b>	NEXT Basalt-S
<b>Module Ordering Number</b>	NB-65210-S-101
<b>Sensor Technology</b>	NEXT Active Thermal®
<b>Specification</b>	FBI PIV & Mobile ID FAP20
<b>Module size (mm)</b>	22 x 35 x 3.0
<b>Active sensing area (mm)</b>	15.24 x 20.32
<b>Image size</b>	300 x 400 pixels
<b>Image resolution</b>	500 dpi
<b>Image gray scale levels</b>	256
<b>Image Quality</b>	PIV (PIV-071006)
<b>Logical interface</b>	SPI
<b>Physical interface</b>	12-pin FPC connector
<b>Power supply</b>	3.3 V
<b>Scan time</b>	0.76 seconds
<b>Scan current</b>	Typical 60 mA
<b>Standby current consumption</b>	200 µA
<b>Scratch resistance</b>	DLC coating providing 20N @ 9H per ASTM D3363-00
<b>ESD protection</b>	±8 kV contact discharge, ±15 kV air discharge per IEC 61000-4-2
<b>Dust/Water resistance</b>	Enables IP67 protection according to IEC 60529
<b>Operating conditions</b>	-20°C to +60°C at 90% RH (non-condensing)
<b>Storage conditions</b>	-30°C to +70°C at 90% RH (non-condensing)



### ACTIVE SENSING AREA (mm)

15.24 x 20.32

NEXT Biometrics capture your whole fingerprint