



The AES2550 is AuthenTec's newest fingerprint sensor for the PC market. Tailored for today's highly mobile workforce and consumer, the AES2550 is optimized for PCs and peripherals, offering improved fingerprint imaging and sensor durability.

The AES2550 is ideally suited for applications that require high-performance and security, while providing strong price-to-performance value.

KEY FEATURES AND BENEFITS

EASY TO INTEGRATE

- Secure cost-effective sensor
- Low cost bill of materials, reduces total solution cost

SUPERIOR TECHNOLOGY

- TruePrint technology provides the most accurate fingerprint image
- TrueMatch pattern matching accommodates different swipe angles
- TrueFinger anti-spoofing protection
- TrueNav user navigation features

EASY TO USE

- Able to read virtually every fingerprint, every time
- Fastest swipe speeds available
- Supports single sign on from boot-up to desktop
- Continuous template updating

THE POWER OF TOUCH

- Password replacement
- Scroll wheel
- Quick application launch
- Fast user switching

LOW POWER

- USB low power device supports selected suspend
- Low power consumption in navigation and finger detection modes



DURABILITY

- Surface coating is highly resilient, withstanding more than 10 million rubs

ROBUST SOFTWARE APPLICATION SUPPORT

- Multi-factor authentication – tokens, smartcards, TPMs, etc.
- Windows login, file/folder encryption, secure e-mail, password replacement, pre-boot authentication, and more



THE AUTHENTEC DIFFERENCE

The AES2550 employs AuthenTec’s award winning TruePrint® and TrueMatch technologies, the most accurate sensor and pattern matching technologies in the industry. These combined technologies capture the highest quality fingerprint images – resulting in significantly better performance than any other solution on the market today.

AuthenTec’s AES2550 supports secure pre-boot authentication, fast user switching, website password replacement, file/folder encryption and auto-password generation. The AES2550 integrates the company’s proprietary TrueFinger™ anti-spoofing technology, which dynamically measures the properties of the skin during the scanning process. The sensor also integrates new TrueNav™ navigation features.

AES2550

High performance fingerprint sensor for the PC Market

SPECIFICATIONS

High Performance Sensor Functions	Rugged Sensor Surface Coating
<ul style="list-style-type: none"> • Integrated USB interface • AuthenTec or third-party matchers • Scroll-wheel navigation 	<ul style="list-style-type: none"> • Scratch and Impact Resistant • Withstands >10 million rubs • Advanced 6-H hardness durability coating
Superior Technology Offering	ESD Resistance
<ul style="list-style-type: none"> • TruePrint® Subsurface RF Technology • TrueMatch® Image Matching Technology • TrueFinger® Anti-Spoofing Technology • TrueNav® Cursor and Menu Navigation 	<ul style="list-style-type: none"> • IEC 61000-4-2 Level 4 (+/-15KV Air, +/-8KV Contact)
High Definition 192 x 8 Pixel Array	Operating Voltage
<ul style="list-style-type: none"> • 9.75mm x 0.41mm array area • 500 pixels per inch 	<ul style="list-style-type: none"> • 3.0V to 3.6V USB I/O • 1.8V Core Voltage
USB 2.0 Full Speed Interface	Low Current Consumption
<ul style="list-style-type: none"> • Fully encrypted USB traffic • Suspend w/ remote wake-up • Selective Suspend Support 	<ul style="list-style-type: none"> • Imaging @ <35 mA typical • Navigation @ <7.5 mA typical • Finger detect @ <6.5 mA typical
Serial Flash Interface	Operating Temperature
	<ul style="list-style-type: none"> • 0° C – 70° C
Advanced BGA Package	
<ul style="list-style-type: none"> • 45 Ball Grid Array (BGA) eXtendaBall Package • 13.8mm x 5mm x 1.68mm • Integrated Drive Bezel • RoHS Compliant 	

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www.authentec.com