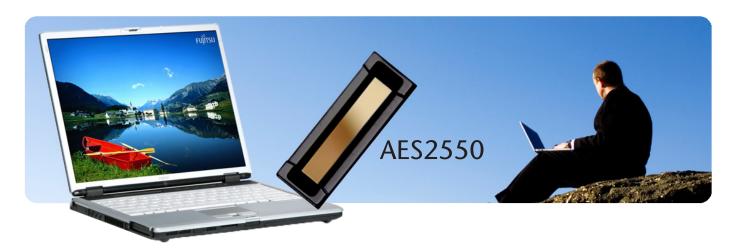




AES2550



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.

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 autopassword generation. The AES2550 integrates the company's proprietary TrueFinger $^{\text{TM}}$ anti-spoofing technology, which dynamically measures the properties of the skin during the scanning process. The sensor also integrates new TrueNav $^{\text{TM}}$ navigation features.

AES2550

High performance fingerprint sensor for the PC Market

High Performance Rugged Sensor Surface Coating Scratch and Impact Resistant **Sensor Functions** • Withstands > 10 million rubs • Integrated USB interface Advanced 6-H hardness durability coating AuthenTec or third-party matchers • Scroll-wheel navigation **ESD Resistance** Superior Technology Offering • IEC 61000-4-2 Level 4 TruePrint[®] Subsurface RF Technology (+/-15KV Air, +/-8KV Contact) • TrueMatch® Image Matching Technology • TrueFinger® Anti-Spoofing Technology **Operating Voltage** • TrueNav[®] Cursor and Menu Navigation • 3.0V to 3.6V USB I/O • 1.8V Core Voltage High Definition 192 x 8 Pixel Array **Low Current Consumption** • 9.75mm x 0.41mm array area • 500 pixels per inch • Imaging @ <35 mA typical • Navigation @ <7.5 mA typical • Finger detect @ <6.5 mA typical **USB 2.0 Full Speed Interface** Fully encrypted USB traffic • Suspend w/ remote wake-up **Operating Temperature** Selective Suspend Support • 0° C − 70° C Serial Flash Interface Advanced BGA Package • 45 Ball Grid Array (BGA) eXtendaBall Package • 13.8mm x 5mm x 1.68mm • Integrated Drive Bezel

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WORLDWIDE REPRESENTATIVES NETWORK A complete listing of AuthenTec's network of representatives is

www.authentec.com



· RoHS Compliant