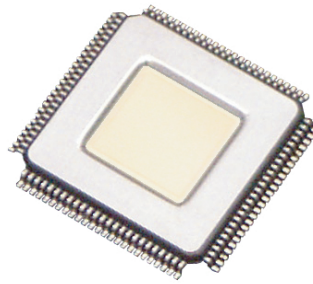


EntréPad™ AES3400

Fingerprint Sensor



Introducing...

The EntréPad AES3400 is AuthenTec's smallest, lowest priced touch fingerprint sensor. The EntréPad AES3400 features a new nickel-finish finger drive ring for enhanced long-life product aesthetics. The SelectaBus interface permits easy system integration using familiar interfaces including Universal Serial Bus.

TruePrint Technology...

All of AuthenTec's EntréPad and FingerLoc® sensor products utilize TruePrint® technology. TruePrint enables the sensor to look past the easily obscured outer surface of the skin to the living layer below where the unique ridge and valley patterns of the fingerprint originate.

During fingerprint imaging, a small signal is generated between the IC and the finger's live layer. An array of elements in the sensor matrix receives this signal, outputting a digital image that accurately reproduces the fingerprint's underlying structures.

A powerful component of TruePrint is Dynamic Optimization, which analyzes and optimizes each fingerprint image regardless of unusual skin conditions or surface contamination.

AuthenTec sensors are the only fingerprint-based biometric authentication solutions that can work for everyone, everywhere, under the most demanding real-world conditions.

High Performance...

- ▶ Unequaled "Ability to Acquire"
- ▶ Patented TruePrint Technology
- ▶ Industry's best FAR/FRR

Small Form Factor...

- ▶ 100-pin LQFP package
- ▶ 14mm x 14mm x 1.55mm

Robust Packaging...

- ▶ Scratch and impact resistant
- ▶ (stress-tested to > 40,000 psi)
- ▶ Rub-resistant to > 1M rubs
- ▶ Impervious to contamination

Detection Matrix...

- ▶ 128 x 128 pixels
- ▶ 6.5mm x 6.5mm
- ▶ 500 ppi high-resolution images

SelectaBus...

- ▶ Asynch & Sync Serial Interface
- ▶ 8-bit Parallel Interface
- ▶ Universal Serial Bus (USB)

Operating Voltage Range...

- ▶ 2.7V - 3.6V

Commercial Temp. Range...

- ▶ 0°C through +70°C

Power Dissipation @ 3.3V...

- ▶ Advanced power management
- ▶ 6 mW imaging (avg.)
- ▶ 500 µW finger detection
- ▶ 60 µW standby
- ▶ Advanced finger detection

High-Rate Image Capture...

- ▶ Up to 32 frames/second

ESD Resistance...

- ▶ IEC 61000-4-2 Level 3 (+/-8KV)

Supported Operating Systems...

- ▶ Microsoft® Windows, 98®, ME®, 2000®, XP®, and NT® v4.0
- ▶ Symbian®, CE 3.0®



Superior Image Quality...

TruePrint high-quality fingerprint imaging technology makes possible the most reliable authentication. These images ensure that AuthenTec sensors can capture everyone, every time under virtually all conditions.

Target Applications...

The EntréPad AES3400, with its 2.7V operation and low current consumption, is specifically designed for the demands of the Personal Electronic Devices, including mobile PCs, PDAs, cell phones, wireless products, and internet appliances.

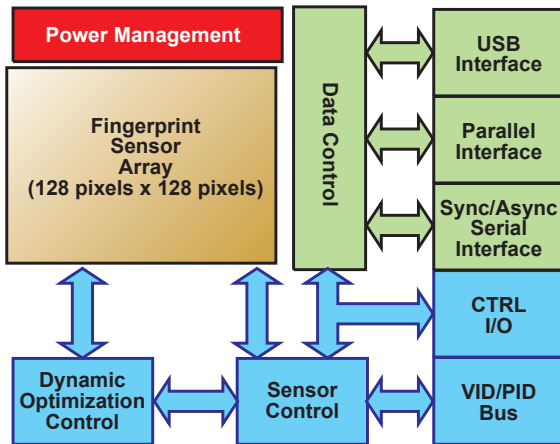
Convenient Security...

The EntréPad AES3400 fingerprint sensors' low price, small size, and battery friendly power requirements make it ideal for secure and convenient access to wireless electronics. The on-chip finger detection capability allows the AES3400 to automatically generate system interrupts when touched and eliminates system overhead needed for finger detection.

Building On Success...

The AES3400 is the newest, low cost member of the the EntréPad family of fingerprint sensors.

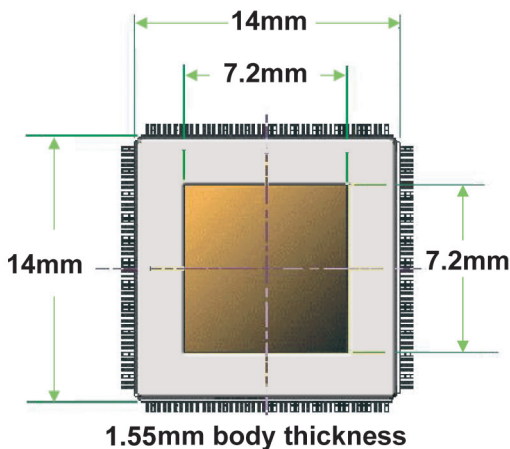
The AES3400 continues to take advantage of AuthenTec's field proven TruePrint Technology to provide the best Ability to Enroll and Ability to Acquire in the industry.



The EntréPad AES3400 sensor incorporates flexible SelectaBus architecture. This feature allows the developer to deploy designs that use not only the popular Universal Serial Bus, but also synchronous and asynchronous serial interfaces, and an 8-bit parallel interface implementation.

- ▶ USB Low Power Version 2.0 low + full speed
- ▶ Bus choice is pin-selectable
- ▶ Advanced biometric power management system
- ▶ High data throughput rates

With SelectaBus, several solutions can be served by a single SKU, simplifying procurement and inventory management.



The form factor of the EntréPad AES3400 is
100-pin JEDEC-standard
Low-profile Quad Flat Package (LQFP)

In addition to AuthenTec's latest sensor, let us introduce you to the AuthenTec family of kits...

AuthenTec provides a full range of hardware, software, and support for easy integration. This includes advanced sensor control and fingerprint matching algorithms, device driver support for Windows XP, 2000, ME, 98, and NT v4.0, plus support for industry-standard biometric Applications Programming Interfaces (APIs). All these features are conveniently bundled into kits:

- ▶ Technology Evaluation Kits (TEKs) are low cost introductory tools that come complete with a sensor module, matching algorithms, and demonstration software. TEKs enable quick and easy investigation of the TruePrint technology.
- ▶ Software Developer's Kits (SDKs) are available for Independent Software Vendors (ISVs) who wish to develop products that interface with AuthenTec sensors.
- ▶ Reference Design Kits (RDks) enable manufacturers of PCs, peripherals, PDAs, and wireless devices to quickly integrate AuthenTec sensors into their products.
- ▶ "OS Ready" Operating System Support enables AuthenTec to provide dedicated software drivers in support of unique customer hardware platforms in a relatively short time. The current list of supported "OS-Ready" operating systems includes Palm OS. Contact AuthenTec directly for more information regarding this support.

For more information contact AuthenTec or your local AuthenTec representative.

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