AuthenTec **EntréPad 1610**

World's Smallest, Most Secure Slide Sensor for the PC Market

The EntréPad 1610 is a breakthrough slide sensor – delivering the industry's most innovative security, touch pad navigation, and other unique features in the smallest solution for PC applications.

The **EntréPad 1610** sets a new standard in security that takes full advantage of the system's TPM to protect the entire system -- from startup to sign off. The advanced sensor features a sensor flash that securely stores the fingerprint matcher and user biometric data on the flash -- not ROM. This makes the **EntréPad 1610** the first sensor to give manufactures the flexibility to store biometric data in a variety of secure locations.

The **EntréPad 1610** also includes AuthenTec's unique Power of Touch, enabling PC manufacturers to easily and cost-effectively add other convenience, navigation and personalization functions that are controlled by the simple swipe of your finger. With the Power of Touch, the same sensor allows manufacturers to add full graphical navigation -- similar to a touch pad on a notebook computer; fast user switching; quick applications access; and other features that differentiate the PC and improve the user experience.

KEY FEATURES AND BENEFITS

SUPERIOR TECHNOLOGY
- TruePrint technology provides the most accurate fingerprint image
- TrueMatch pattern matching technology runs on the high-performing host processor
- Integrates AuthenTec's next generation TrueFinger™ anti-spoofing protection

TRUSTED SECURITY
- Pattern matching technology delivers the industry's best enroll, verify and reject performance (false accept/false reject)
- TPM enabled pre-boot authentication protects the system from unauthorized use
- System TPM securely "locks" biometric data to your PC
- Flexible storage options for TPM signed matcher and encrypted fingerprint templates
- Secure sensor-flash storage of matching algorithms and templates – not ROM

USER UPGRADEABLE
- Users can easily upgrade matcher and anti-spoofing technology to latest version
- Protects users from future sensor attacks

EASY TO USE
- Able to read virtually every fingerprint
- Fastest swipe speeds available
- Supports single finger swipe from boot-up to desktop
- Continuous template updating; accommodates different swipe angles and speeds

LOW POWER
- USB low power device supports selected suspend, extending battery life

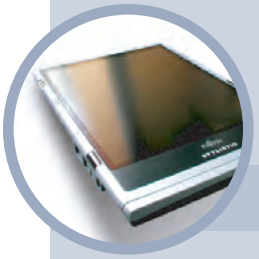
DURABILITY
- Ultra hard surface coating withstands greater than 10 million rubs

ROBUST APPLICATION SOFTWARE FEATURE SET
- Supports multi-factor authentication -- combining the sensor with smartcards, TPMs, etc.
- Login and password replacement
- File/folder encryption, secure email, password replacement, and secure file sharing

THE POWER OF TOUCH
- Full graphical navigation, 3-way scroll wheel emulation; quick application launch; fast user switching, etc.

LOW SOLUTION COST
- Highly integrated sensors
- Minimal bill of materials

LAPTOPS



TABLETS

DESKTOPS

PERIPHERALS

The Power of Touch

AuthenTec **EntréPad 1610**

THE AUTHENTEC DIFFERENCE

SUPERIOR TRUEPRINT AND TRUEMATCH TECHNOLOGIES

The **EntréPad 1610** 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.

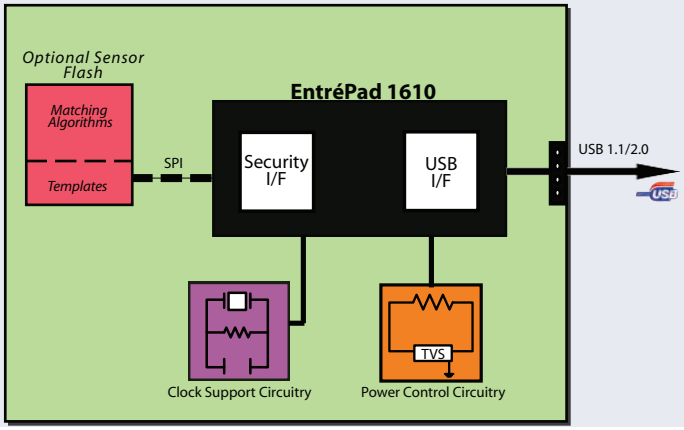
THE POWER OF TOUCH

AuthenTec's unique Power of Touch approach combines the most advanced security, with additional convenience, navigation and personalization functions controlled by the simple swipe of your finger. The Power of Touch enables PC manufacturers to easily and cost-effectively add capabilities such as data protection, password replacement, finger-control scrolling, quick applications access, fast user switching and other functions.

EntréPad 1610 SPECIFICATIONS

High Performance Features	*Advanced security*
	Next generation anti-spoofing protection
	Fast Finger Motion Capture
	TPM v1.2 support
	Graphical or scroll navigation
	Unequaled "ability to acquire"
Platform Security	*Secure communication between the sensor and host PC*
	Full TPM v1.2 measured boot support
	Secure matcher and fingerprint template storage using optional sensor flash
Small Form Factors	*40 Ball Grid Array (BGA)*
	12mm x 5 mm
	Thin package option – 1.34mm
	Thick package option – 1.96mm
Robust Packaging	*Scratch and impact resistant*
	Ultra hard surface coating withstands greater than 10 million rubs
	RoHS compliant / Lead free
Detection Matrix	*128 x 8 pixels @ 500 ppi*
	6.5mm x 0.41mm array size
Universal Serial Bus Interface	*Built-in USB 1.1/2.0 full speed*
Commercial Temperature Range	*0C to +70C*
Operating Voltage Range	*3.0V – 3.6V single supply*
Current Consumption @ 3.3V	*37mA imaging @ 30cm/s*
	4mA finger detect mode
	300uA selective suspend (C3)
ESD Resistance	*IEC 61000-4-2 Level 4 (+/- 15KV)*
Supported Operating Systems	*Microsoft Windows Vista and XP*
	Linux v2.4/2.6

EntréPad 1610 INTEGRATED FINGERPRINT MODULE



THE AUTHENTEC TOTAL SOLUTION

AuthenTec offers the most complete and flexible solution to enable manufacturers to design in advanced biometric fingerprint sensors. Our total solution approach includes a complete family of sensors; hardware and software kits for easy evaluation and integration; proven solutions from more than 50 hardware, software and design partners; and end-to-end integration support from an experienced technical staff.

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www.authentec.com

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The Power of Touch

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