

# AuthenTec EntréPad 1510

World's Smallest, Highest Performance Slide Sensor  
for the Wireless Market



The EntréPad 1510 is a revolutionary, high performance slide sensor – combining AuthenTec's most advanced security and touch-powered features in the lowest cost solution available for wireless applications.

Already designed into some of today's most innovative biometric cell phones, the **EntréPad 1510** is the smallest sensor with AuthenTec's award-winning Power of Touch – enabling manufacturers to easily and cost-effectively add security, convenience, navigation and personalization controlled by the simple swipe of your finger.

With its advanced security, the **EntréPad 1510** protects access to the phone's stored information and enables operators to provide profitable new mobile commerce and wireless banking services. The same sensor also allows manufacturers to easily add new features such as 3-D gaming navigation, touch menu scrolling, multi-finger speed dialing, hot key application launch, instant song or photo recall, and others that differentiate the phone and improve the user experience.

## KEY FEATURES AND BENEFITS

### SUPERIOR TECHNOLOGY

- TruePrint technology provides the most accurate fingerprint image.
- TrueMatch pattern matching technology ensures secure user authentication

### THE POWER OF TOUCH

- Menu scrolling
- Personalized buddy lists
- Multi-finger speed dialing
- 3-D Gaming quality navigation
- Access secure web sites with the swipe of a finger

### UNPARALLELED SECURITY

- Pattern matching technology delivers the industry's best enroll, verify and reject performance (false accept/false reject)
- Secures handset from unauthorized use
- Protects private information, email and SMS messages, and photographs
- Enables mobile commerce and wireless banking applications
- Secure user storage at the swipe of a finger

### LOW POWER

- Low power consumption saves battery life
- Reduced processor load for fast matching and 3-D gaming navigation
- Extremely low navigation current consumption

### EASY TO USE

- Able to read virtually every fingerprint
- Fastest swipe speed in the industry

### DURABILITY

- Ultra hard surface coating withstands greater than 10 million rubs

### LOW SOLUTION COST

- Highly integrated sensors
- Minimal bill of materials



SECURITY



CONVENIENCE



NAVIGATION



PERSONALIZATION

*The Power of Touch*

# AuthenTec EntréPad 1510

## THE AUTHENTEC DIFFERENCE

### SUPERIOR TRUEPRINT AND TRUEMATCH TECHNOLOGIES

The EntréPad 1510 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.

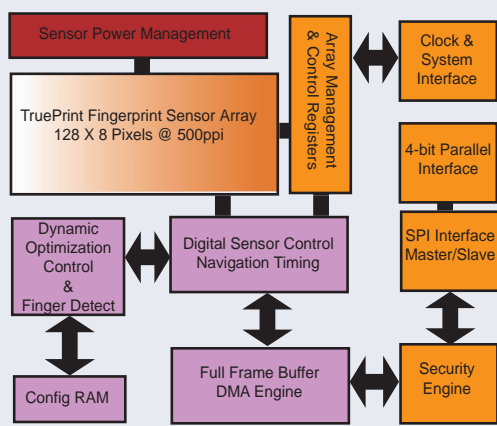
### THE POWER OF TOUCH

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 a finger. The Power of Touch enables wireless manufacturers to easily and cost-effectively add capabilities such as data protection, 3-D gaming navigation, touch menu scrolling, multi-finger speed dialing, hot key application launch, instant song or photo recall, and others.

## EntréPad 1510 SPECIFICATIONS

High Performance Features	Advanced security
	Fast finger motion capture
	>50cm/sec finger slide speed
	3-D Game level navigation
	Unequaled "ability to acquire"
Small Form Factors	Industry best FAR/FRR
	Template compositing
	12mm x 5mm
Robust Packaging	39 Ball Grid Array (BGA) Thin package option – 1.2mm
	40 Ball Grid Array Thick package option – 1.96mm
Detection Matrix	Scratch and impact resistant; ultra-hard durability coating withstands greater than 10 million rubs
	RoHS compliant / Lead free
SelectaBus	128 x 8 pixels @ 500 ppi
	6.5mm x .41mm array size
Operating Voltage Range	Full image buffer
	4-bit parallel bus
	Synchronous serial bus
Commercial Temperature Range	Master and slave modes
	Master-Mode supports DMA
Current Consumption @ 2.6V	2.5V-3.6V single supply
	-20C to +70C
ESD Resistance	25mA imaging
	4.5mA navigation mode
Supported Operating Systems	IEC 61000-4-2 Level 4 (+/- 15KV)
	Symbian
	Microsoft Windows Mobile
Full Frame Buffer DMA Engine	Linux
	Qualcomm REX
Security Engine	Custom native applications

## EntréPad 1510 APPLICATION BLOCK DIAGRAM



## 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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## WORLDWIDE

**REPRESENTATIVES NETWORK**  
A complete listing of AuthenTec's network of representatives is available on our web site.

[www.authentec.com](http://www.authentec.com)

