AuthenTec **EntréPad 2510**

World's Most Proven, Flexible Slide Sensor
for the Wireless Market

The EntréPad 2510 is the industry's most proven and flexible slide sensor – combining advanced security and touch-powered features in a solution used in millions of today's most popular and innovative biometric cell phones and PDAs.

The popular sensor leverages 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.

The **EntréPad 2510** not only protects the phone and its stored information, but enables operators to provide new, profitable services such as mobile commerce and wireless banking. The sensor also allows manufacturers to easily add new features like gaming navigation, touch menu scrolling, multi-finger speed dialing, hot key application launch, favorite song and photo recall, and others that differentiate the phone and improve the user experience.

And, with its multiple system interfaces and wide pixel array, the **EntréPad 2510**, can be used on a variety of mobile platforms employing AuthenTec's TrueMatch or other third-party fingerprint matchers.

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
- Convenient, secure web site access

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 photos
- Enables mobile commerce and wireless banking applications
- Secure user storage at the swipe of your finger

LOW POWER
- Low power consumption saves battery life
- Reduced processor load for fast matching
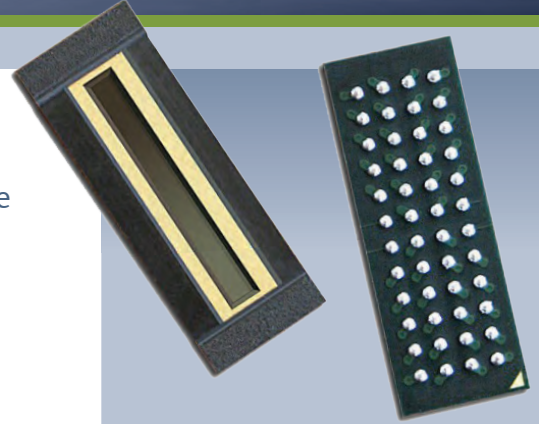- Low navigation current consumption

EASY TO USE
- Able to read virtually every fingerprint
- Fast swipe speed

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

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

SECURITY

CONVENIENCE

NAVIGATION

PERSONALIZATION

The Power of Touch

AuthenTec EntréPad 2510

THE AUTHENTEC DIFFERENCE

SUPERIOR TRUEPRINT AND TRUEMATCH TECHNOLOGIES

The **EntréPad 2510** 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.
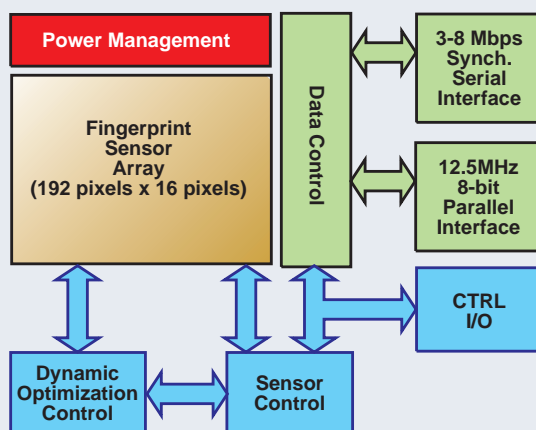
THE POWER OF TOUCH

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 2510 SPECIFICATIONS

High Performance Features	Advanced security
	Graphical navigation
	Unequaled "ability to acquire"
	Industry best FAR/FRR
Small Form Factors	48 Ball Grid Array (BGA)
	13.8mm x 5 mm
	Thin package option – 1.3mm
	Thick package option – 1.96mm
Robust Packaging	Scratch and impact resistant
	Ultra hard surface coating withstands greater than 10 million rubs
	Silver or gold drive ring
	RoHS compliant / Lead free
Detection Matrix	192 x 16 pixels @ 500 ppi
	9.75mm x 0.81mm array size
SelectaBus	8-bit parallel bus
	Synchronous serial bus
	Master and slave modes
	Master mode supports DMA
Operating Voltage Range	2.4V-3.6V single supply
Operating Temperature	-20C to +70C
Current Consumption @ 2.5V	Advanced power management
	35mA imaging
	3.0mA navigation mode
ESD Resistance	IEC 61000-4-2 Level 4 (+/- 15KV)
Supported Operating Systems	Symbian
	Microsoft Windows Mobile
	Linux
	Qualcomm REX
	Custom native applications

EntréPad 2510 APPLICATION BLOCK DIAGRAM

AuthenTec
The Power of Touch

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