



AES2660

## AES2660 Smart Sensor

The AES2660 is AuthenTec's newest smart sensor for the PC market. The AES2660 is tailored specifically to provide convenient security, personalization and touch-based functionality in all categories of PCs and PC peripherals. Featuring a 192-pixel-wide array, the AES2660 complements AuthenTec's AES1660, a 128-pixel-wide smart sensor for the small form-factor PC market. With the addition of the AES2660, PC OEMs have the flexibility to select the appropriate sensor for a variety of PC applications.

The AES2660 incorporates LED drivers and offers the expanded functionality, biometric performance, low-power consumption, multiple packaging options, and low bill of materials (BOM) costs needed for easy integration into new consumer and enterprise notebook PCs, tablet PCs, and PC peripherals.

### KEY FEATURES AND BENEFITS

#### Key Features

- Integrated LED drivers for multiple lighted LED packaging options
- TrueNav™ cursor and menu navigation
- Multiple battery-friendly operating modes
- Internal current limiter, voltage regulator and USB clock generator
- Supports USB2.0 full speed host and SPI Flash memory interfaces
- Small BGA packaging
- New, highly durable black coating with matching bezel
- Highly integrated design enables low bill of materials 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 & rocker switch emulation
- Quick application launch
- Fast user switching

#### Low Power

- USB low power device supports selective 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 email, password replacement, pre-boot authentication, and more



## AuthenTec's Wide Smart Sensor for PCs

AuthenTec's new wide smart sensor for the PC market, AES2660, integrates LED drivers and offers expanded functionality, biometric performance, low-power consumption, and low bill of materials cost needed for integration into notebooks, netbooks and PC peripherals.

# AES2660

## Multi-function smart sensor for today's consumer PCs and netbooks

### SPECIFICATIONS

<b>High Performance Smart Sensor Functions</b> <ul style="list-style-type: none"> <li>• Integrated USB interface</li> <li>• AuthenTec or third-party matchers</li> <li>• Menu, list and document navigation</li> <li>• Compatible with AuthenTec's TrueSuite®</li> </ul>	<b>Advanced BGA Package</b> <ul style="list-style-type: none"> <li>• 45 Ball Grid Array (BGA) eXtendaBall Package</li> <li>• 13.8mm X 5mm X 1.68mm</li> <li>• Integrated Drive Bezel</li> <li>• RoHS Compliant</li> </ul>
<b>Superior Technology Offering</b> <ul style="list-style-type: none"> <li>• TruePrint® Subsurface RF Technology</li> <li>• TrueMatch® Image Matching Technology</li> <li>• TrueFinger® Anti-Spoofing Technology</li> <li>• TrueNav® Cursor and Menu Navigation</li> </ul>	<b>Rugged Sensor Surface Coating</b> <ul style="list-style-type: none"> <li>• Scratch &amp; Impact Resistant</li> <li>• Withstands &gt;10 Million rubs</li> <li>• Advanced 6-H hardness durability coating</li> </ul>
<b>High Definition 192 x 8 Pixel Array</b> <ul style="list-style-type: none"> <li>• 9.75mm x 0.41mm array area</li> <li>• 500 pixels per inch</li> <li>• Supports AuthenTec or 3rd Party Matchers</li> </ul>	<b>ESD Resistance</b> <ul style="list-style-type: none"> <li>• IEC 61000-4-2 Level 4</li> <li>(+/- 15KV Air, +/-8KV Contact)</li> </ul>
<b>USB 2.0 Full Speed Interface</b> <ul style="list-style-type: none"> <li>• Fully Encrypted USB traffic</li> <li>• Suspend and remote wakeup</li> <li>• Selective Suspend support</li> </ul>	<b>Operating Voltage</b> <ul style="list-style-type: none"> <li>• 3.0V to 3.6V USB I/O</li> <li>• 1.8V Core Voltage</li> </ul>
<b>Serial Flash SPI Interface</b> <ul style="list-style-type: none"> <li>• Supports several SPI-Flash memory types</li> </ul>	<b>Multiple Battery-friendly Operating Modes @ 3.3V</b> <ul style="list-style-type: none"> <li>• Imaging @20cm/s 31mA typical</li> <li>• Navigation 10.5mA typical</li> <li>• Suspend &lt;400µA</li> <li>• Idle 4.4mA typical</li> </ul>
<b>Operating Temperature</b> <ul style="list-style-type: none"> <li>• 0°C to +70°C</li> </ul>	

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 A complete listing of AuthenTec's network of representatives is available at our web site.

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