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.

**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 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.

**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

### High Performance Smart Sensor Functions
- Integrated USB interface
- AuthenTec or third-party matchers
- Menu, list and document navigation
- Compatible with AuthenTec’s TrueSuite®

### Superior Technology Offering
- TruePrint® Subsurface RF Technology
- TrueMatch® Image Matching Technology
- TrueFinger® Anti-Spoofing Technology
- TrueNav® Cursor and Menu Navigation

### High Definition 192 x 8 Pixel Array
- 9.75mm x 0.41mm area
- 300 pixels per inch
- Supports AuthenTec or 3rd Party Matchers

### Advanced BGA Package
- 45 Ball Grid Array (BGA) eXtendaBall Package
- 13.8mm X 5mm X 1.68mm
- Integrated Drive Bezel
- RoHS Compliant

### Rugged Sensor Surface Coating
- Scratch & Impact Resistant
- Withstands >10 Million rubs
- Advanced 6-H hardness durability coating

### Operating Voltage
- 3.0V to 3.6V USB I/O
- 1.8V Core Voltage
- Multiple Battery-friendly Operating Modes @ 3.3V
- Imaging @20cm/s 31mA typical
- Navigation 10.5mA typical
- Suspend <400µA
- Idle 4.4mA typical

### Advanced BGA Package

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### WORLDWIDE REPRESENTATIVES NETWORK
A complete listing of AuthenTec’s network of representatives is available at our web site.

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