IDX3200 is a highly durable fingerprint sensor that ensures secure biometric identification and authentication in ISO ID-1 format compliant smart cards. In addition to dual-interface cards, IDX3200 can also be integrated into contact or contactless only cards.

This sensors’ off-chip technology enables IDEX to combine a low silicon footprint and the use of polymer materials. This means that IDX3200 is fully flexible and highly cost competitive. Any smart card using this sensor will leverage our unique flexible substrate to reach outstanding durability and robustness, passing both CQM and ISO10373 evaluations.

IDX3200 is optimized to enable designs that do not require either a battery or a supercapacitor, which is critical for mass-deployment.

To accelerate time to market, IDEX provides smart card reference designs, including the sensor, power management circuitry, antenna and the required software.

**PRODUCT OVERVIEW**

- **FLEXIBLE**
- **DURABLE**
- **OFF-CHIP TECHNOLOGY**
- **NO BATTERY, NO SUPERCAPACITOR**
- **STRONG BIOMETRIC PERFORMANCE**
- **ON-CARD ENROLLMENT SUPPORT**

**APPLICATIONS**

- **PAYMENT**
- **ACCESS**
- **ID**

**FEATURES**

- Proprietary On-Card Enrollment
- Capacitive sensing technology
- Supports “finger down on power-up” usage case
- Sensing area: 9.5mm x 9.5mm
- Outer dimensions: 14.7mm x14.7mm
- Nominal pixel resolution 350dpi
- SPI Interface
- Secure host communications available: SSL/AES/SHA2
- Power supply designs of 2.5V or 3.3V
- ISO10373, 7816, 14443, CQM compliant

**BENEFITS**

- FLEXIBLE
- DURABLE
- OFF-CHIP TECHNOLOGY
- NO BATTERY, NO SUPERCAPACITOR
- STRONG BIOMETRIC PERFORMANCE
- ON-CARD ENROLLMENT SUPPORT

IDEX is a leading developer of advanced off-chip fingerprint sensors and complete system solutions to a range of biometrically-enabled applications, including smart cards, Internet of Things (IoT) and mobile.