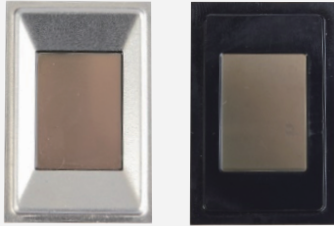




MFC-1256

256*360 capacitive fingerprint sensor



ALGORITHM

- Good adaptability to dry, wet, or fuzzy finger
- Repair the fractured fingerprints automatically
- Great anti-deformation ability
- Supporting 360 °Authentication
- Self-learning during usage
- ISO Standard: ANSI/INCIT 378 Compliant Extractor & Matcher
- Compliant ISO/IEC 19794-2 fingerprint minutia standards.
- Fingerprint Template Size < 1KB
- Verification speed < 700 ms

Embed the MFC-1256 compact capacitive-contact fingerprint image sensor in your product for advanced fingerprint acquisition and verification. 508 DPI resolutions delivers superior image quality for highly accurate readings and a 0.07 second read out time enable quick verification.

The built-in analog and digital circuitry minimizes the number of external components, and provides an easy-to-use, standard SPI interface to microprocessors. Finger detection function can detect finger automatically and wake up microprocessors by hardware interrupt pin.

Windowing function can crop smaller fingerprint image to improve the image read frame rate or other applications.

FEATURES

- Spatial resolution 508 DPI
- 256 x 360 pixel 2D sensor array
- Sensing area 12.8 mm x 18.0 mm
- 23.0 mm x 35.0 mm package size
- IP67 dust and water resistant
- Built-in 8-bit ADC for digitizing image
- Built-in programmable voltage reference
- High speed SPI interface
- 0.1 sec read out time
- 32-byte on-chip data FIFO
- 2.6Volt ~ 3.6 Volt for I/O communication
- Finger detection function to detect finger on sensor
- Interrupt pin to wake up host when finger on sensor

APPLICATIONS

- Security device
- Time and Attendance Control System

ORDERING INFORMATION

- MFC-1256 256*360 capacitive sensor
- MFC-1256C 256*360 capacitive sensor with steel coat
- MFC-1256M 256*360 capacitive fingerprint module