Chips for Smart Card Readers

Fast time to market with proven performance and stability.

Powered by more than 20 years of design and research experience in secure products for the smart card industry, WISeKey's comprehensive and highly competitive portfolio of Smart Card Reader chips enables customers to obtain secure, high-performance chips for any application.

WISeKey offers hardware platforms alone and with integrated third-party applications, allowing customers to quickly build smart card readers without requiring custom development. Based on 8/16-bit RISC processors, WISeKey's Smart Card Reader chips are EMV-CO compliant and equipped with DC/DC for a wide compatibility

WISeKey products are recognized today by industry leading OEM, that leverage these chips unique capabilities to combine outstanding product performance with fast time to market.

**DISCOVER OUR
SMART CARD READER CHIP FEATURES**
COMMON FEATURES
**16MHz 8/16-bit RISC CPU Microcontroller
EMV Level 1 compliant ISO 7816 Smart Card Interface
DC/DC based support of Class A, B, C from 2.7V-5.5V Power Supply
8 EndPoints USB 2.0 Interface
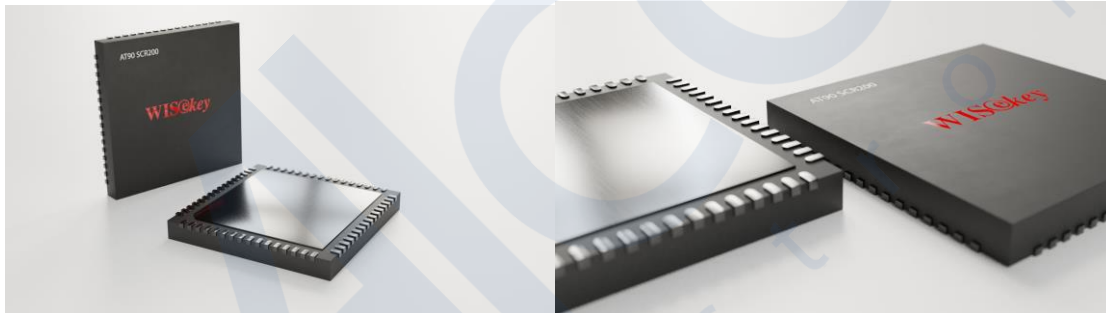High Speed SPI, 2 Wires & USART Interfaces
-40°C to +85°C**
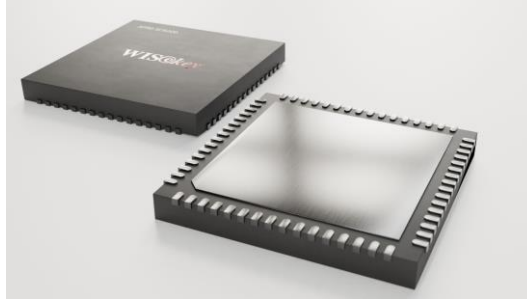
AT90SCR075

- 48KB ROM / 2KB RAM
- 4x4 Matrix Keyboard Interface
- QFN32 package

AT90SCR200

- 64KB FLASH/ 4KB RAM / 4KB EEPROM
- 8x8 Matrix Keyboard Interface
- HW AES & RNG
- QFN32 & QFN64 packages

AT90SCR400

- 128KBytes Flash, 4kB RAM
- 8x8 Matrix Keyboard Interface
- On-Chip 48MHz Clock Generation for USB
  - No external crystal required
- On-chip 8kV Contact / 15kV Air IEC 61000-4-2 ESD Protection on USB

  - No external ESD protection required
- QFN64 package (QFN32 & QFN40 TBC)

REFERENCES & USE CASES
WISEKEY reader chips are used by the world leading Smart Card Reader OEM's to build contact and dual-interface smart card readers, targeting applications in healthcare, pharmaceuticals, government, and education. Public and private organizations use these identity verification devices when seeking the highest security and performance in access management.