

# SCH001

## Compact, easy to integrate intelligent smart card reader

Supports USB interface and compact size allows for simple integration into small hand held units, tablet POS solutions, and complete all in one terminals and adheres to today's payment applications requiring EMV acceptance. EMV acceptance is becoming an international payment standard. **The SCH001 is extremely robust and certified EMV Level 1, Level 2 and Level 3 certifications are also available.**



## Features and Benefits

- Small form factor
- 500,000+ operations on all components
- Easy integration of Smart Cards into Applications
- Operates with ISO 7816/EMV microprocessor cards
- USB & RS232 interface
- Remote key injection available
- Supports TDES/DUKPT and RSA encryption algorithms
- EMV Level 1 and EMV Level 2 certified
- Ability to encrypt EMV data
- Firmware upgradable



Banking



Retail



Hospitality

# SCH001

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The contacts are tested to over 500,000 cycles and the plastics are suitable for today's most intensive payment applications and environments. Remote key injection is also supported.

### Specifications

#### MECHANICAL

**Dimensions:** 2.60 inches (66 mm) (L)  
1.31 inches (33.2 mm) (W)  
0.32 inches (8mm) (H)

**Card handling method:** Manual insertion

#### ENVIRONMENTAL

**Operating Temperature:** 0°C to +55°C

**Storage Temperature:** -30°C to +65°C

**Operating Humidity:** 15% to 90%

**Storage Humidity:** 10% to 90%

#### AGENCY APPROVAL

FCC class B, CE class B, BSMI

#### ELECTRICAL

**Power Requirements:** +5 VDC , 100mA Max.

**ICC Standard:** ISO/IEC 7816, EMV contact L1

**ICC Types:** Asynchronous, T=0 & T=1  
Synchronous cards (optional)

**Interface:** USB, RS232

#### CERTIFICATIONS

**EMV Contact L1 Certification**

**EMV Contact L2 Certification**

#### DATA SECURITY

**RSA, TDES/DUKPT**

#### RELIABILITY

**IC card contact life:** 500,000 cycles minimum

**MTBF:** 1,000,000 Hours



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