MiniSmart™ II.

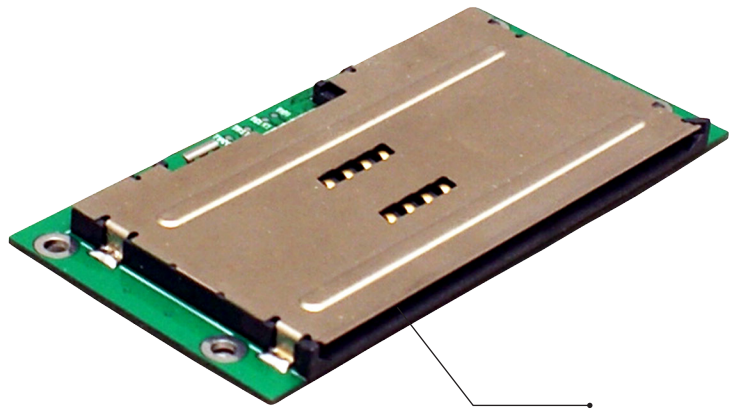*Intelligent Smart Card Reader*

Easy to Integrate EMV Solution

ID TECH's latest EMV module, the MiniSmart II, carries on the tradition of its predecessor, the MiniSmart. Maintaining a compact form factor, along with the familiar supported interfaces of USB, UART, and RS232, the MiniSmart II allows for easy integration into today's payment applications requiring EMV acceptance. With EMV acceptance becoming an international payment standard, the MiniSmart II brings forth a small enough form factor to adapt into a wide variety of space-limited applications.

Secure and Robust EMV Level 1 and Level 2 Module

Its robust design features durable contacts tested to over 500,000 cycles, which are integrated within the MiniSmart II's engineering plastics suitable for today's most intensive payment applications. The MiniSmart II features EMV Level 1 and Level 2 certification. Remote key injection is also available and supported with the MiniSmart II.

Features and Benefits:

- **Small form factor**

- **Designed tough- 500,000+ operations on all components**

- **Simplifies integration of Smart Cards into Applications**

- **Operates with ISO 7816 microprocessor**

- **Smart Card transfer rates- 9600 to 115200 bps**

- **Serial host interface link- RS232, UART, and USB-HID**

- **Remote key injection available**

- **Supports TDES and AES encryption algorithms**

- **EMV Level 1 and EMV Level 2 certified**

- **Ability to encrypt EMV data**

Smart Card Reader

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MiniSmart ™ II

Specifications:

Electrical

Power Requirements: 4.5 VDC to 5.5 VDC, 12mA Max. w/no ICC
Power Down: 100 μA max in power down w/no ICC
ICC Interfaces (Compliance): ISO/IEC 7816-1, 2, 3, & 4
ICC Types: Number of cards= 1, Asynchronous, T=0 & T=1
Synchronous (memory) cards (contact factory)
ICC Transmission: 9.6 Kbps to 115 Kbps speeds
ICC Voltage: 5 V
Interface: USB-HID, UART, RS232
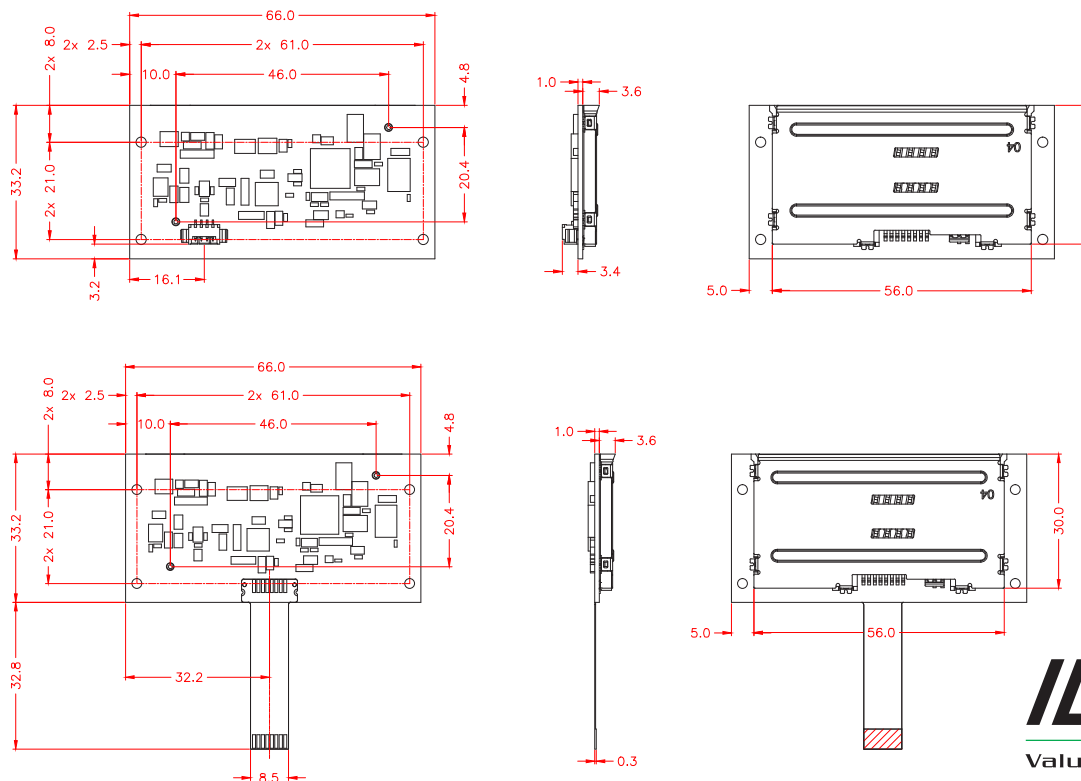
Environmental

Operating Temperature: 32°F to 131°F (0°C to 55°C)
Storage Temperature: -22°F to 149°F (-30°C to 65°C)
Humidity: Maximum 95% non-condensing, dry storage

Reliability

Operating Life: 500,000 cycles minimum*
MTBF: 300,000 Hours*
ESD Immunity: 4 KV, human body model, ICC contacts
Warranty: One year, parts and labor
* All wear reliability and MTBF are based on operation in a benign environment

Mechanical

Dimension (L)x(W)x(H): 2.60 inches (66 mm) x 1.31 inches (33.2 mm) x .32 inches (8mm)
Media Thickness: 0.03 Nominal (0.025min.; 0.035 inches max.)
Card Seated Switch: ICC fully seated sensor
Footprint:

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