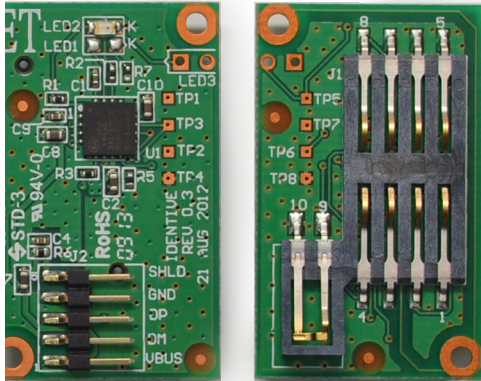


uTrust 2500-EE

ISO/IEC7816 reader/writer Module with Enhanced ESD protection



■ INTEGRATION

- Ultra-compact, super robust and easy-to-integrate
- Performance-oriented design, streamlined for mobile operation
- Made for harsh ESD environments compact and easy-to-integrate performance-oriented design

■ RELIABLE AND COMPLIANT

- Industry and Government grade device with full support and compliance to EMV 2011 and GSA FIPS 201
- 16kV ESD hardened device with extra Electro Static Discharge (ESD) protection circuitry
- Conformal coating to protect the board from adverse environmental conditions
- Supports all major smart card ICs and technologies in one device supports all major smart card ICs and technologies in one device

■ FAST

Transaction time optimized for maximum end-user acceptance

Identiv's uTrust Smart Card Reader Module 2500R-EE is the ideal design for a wide range of embedded applications. Providing full compliance with all major industry standards — including ISO/IEC 7816, USB CCID, PC/SC, and Microsoft WHQL — uTrust 2500R-EE works seamlessly with virtually all contact smart cards and PC operating systems. The uTrust 2500R-EE-Enhanced ESD is designed for higher immunity, up to 16KV Electrostatic Discharge (ESD) along with conformal coating, making this the module of choice for industrial-grade applications. Full support and compliance to EMV 2011 and GSA FIPS 201 expands daily use to very specific applications requiring additional security and data protection.

uTrust 2500R-EE represents the perfect mix of performance with compact design. The extended card data transmission rate of up to 600 kbps and the support of TA1=97 enables the shortest possible transaction time for maximum end-user convenience.

With uTrust 2500R-EE, the end user experiences convenience, transaction-time efficiency, security, and reliability for embedded applications including smart metering, vending and dispensing machines, printers, payment devices, e-service kiosks, and high-security use cases for federal governments. It features easy and complete support for all major contact smart cards. e-banking, and e-commerce.

PARAMETER	uTrust 2500-EE
Contactless Interface	
Host Interfaces	USB 2.0 Full speed (12 Mbps)
Supported Standards	<ul style="list-style-type: none"> • ISO/IEC 7816 Part 1 to 4 • EMV 2011 Ver 4.3-Ready
Supported Tag ICs	All major ISO/IEC 7816 compliant Smart Card and Synchronous cards
Smart Card Protocols	T=0, T=1, Synchronous cards I2C and 3-wire
Smart Card Interface Speed	<ul style="list-style-type: none"> • Up to 600 kbps • TA1=97
Smart Card Clock Frequency	ISO/IEC 7816 compliant; Operates up to 16 MHz
Supported Smart card Types	5V, 3V and 1.8V, ISO/IEC 7816 Class A/B/C

PARAMETER	uTrust 2500-EE
Power to Smart Card	60mA in Class A; 55mA in Class B; 35mA in Class C
Smart Card Detection	<ul style="list-style-type: none"> • Card present switch • Automatic power on/off • Short circuit protection
Card Size	ID-1
ID-1	<ul style="list-style-type: none"> • 8 pin ID-1 Sliding Contact Socket • C4/C8 support • Card detect switch
MTBF	100,000 hours
Driver and Software	
PC/SC Driver	PC/SC Specification Ver. 2.01.09 for: <ul style="list-style-type: none"> • Windows® XP/Vista/7/8/10 (32 and 64 bit) • Windows® Server 2003/2008/2012 • Windows® CE 6.0, 7.0 • MacOS MacOS 10.5.x-10.15.x • Linux 2.4.x, 2.6.x, 3.x, 4.x, 5.x (32 and 64 bit) • Android 4.0 and higher
Software	<ul style="list-style-type: none"> • PC/SC API • CT-API (through wrapper on top of PC/SC) • M-Card API (through wrapper on top of PC/SC)
Operating Conditions	
Power Supply	Bus-powered USB
Power Consumption	<6mA excluding smart card; <20mA with standard card; <500µA in standby mode
Operating Temperature Range	0° to 50° C (32° to 122° F)
Storage Temperature Range	-20° to 60°C (-4° to 140° F)
Operating Humidity Range	Up to 95% RH non-condensing
Durability Sliding Contact	100,000 card insertions
Connector	5-Pin Header connector; 2 mm pitch
Status Indicator	Dual-color LED: Green/yellow
Firmware	SmartOS™
Firmware In-Field Upgradeable	No
Systems/Standards	ISO/IEC 7816, USB 2.0 Full Speed, CCID, Microsoft® WHQL
Regulatory/Environmental	CE, FCC, RoHS2, REACH, WEEE

Identiv (NASDAQ: INVE) is a global provider of physical security and secure identification. Identiv's products, software, systems, and services address the markets for physical and logical access control, video analytics and a wide range of RFID-enabled applications. Customers in the government, enterprise, consumer, education, healthcare, and banking, retail, and transportation sectors rely on Identiv's access and identification solutions. Identiv's mission is to secure the connected physical world: from perimeter to desktop access, and from the world of physical things to the Internet of Everything.

Identiv has offices worldwide. Addresses and phone numbers are listed at [identiv.com/contact](https://www.identiv.com/contact). For more information, visit [identiv.com](https://www.identiv.com) or email sales@identiv.com.

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