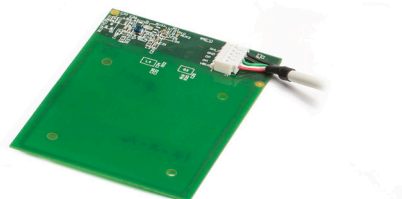


uTrust 3501 F

Reader Board



- INTEGRATION EFFICIENCY**
Compact yet easy-to-integrate performance-oriented design
- CONVERGENCE**
Featuring contactless and NFC technologies for use with mixed credential populations and form factors
- INTEROPABLE**
Supports major card ICs, standards, and technologies, such as Lascom cards, in just one device
- FAST**
Transaction time optimized with support of 424 kbps in ISO/IEC 14443 for maximum end-user acceptance
- READY TO USE**
Driver support for all major PC operating systems

The uTrust 3501 F reader board is the ideal combination of contactless and NFC technologies in just one single device.

Supporting 13.56 MHz contactless technology and NFC, this PC-linked reader features end user environments where virtually all types of contactless credentials are being used, even in mixed populations.

With its all-in-one concept, the uTrust 3501 F enables a smooth transition from well-established traditional technologies into emerging NFC applications, pushing new business. In addition, the reader board has been optimized to be fully compatible with the official Lascom card set.

The compact yet easy-to-integrate performance-oriented design allows for a cost-efficient and smooth integration into virtually all systems, such as kiosks, terminals, or desktop devices. ID-1 cards, any kind of token, or even NFC-enabled smart phones are the ideal credentials for this reader board.

The Identiv driver platform as well as the Windows® Plug-and-Play driver support allows a seamless integration into any end-user environment with very little or no administration. The uTrust 3501 F reader board can even be used on Android-based solutions.

The end user experiences convenience, transaction time efficiency, security, flexibility and full NFC capability for use applications such as network log-on, secure web based transactions, governmental use applications like online tax declarations or even NFC based customer loyalty programs.

The product also has been designed for secure in-field firmware upgrades and great reliability providing a perfect return on investment.

PARAMETER	IDENTIV UTRUST 3501 F
Host Interface	
Host Interface	USB 2.0 CCID (USB 1.1 / 3.0 compliant)
Communication Speed	12 Mbps (USB 2.0 full speed)
Smart Card Interface	
Supported Standards	<ul style="list-style-type: none"> • ISO/IEC 7816 Part 1 to 4 • EMV 2008 Ver 4.2 Level 1
Supported Tag ICs	All major ISO/IEC 7816 compliant Smart Card IC support
Smart Card Protocols	T=0, T=1

uTrust 3501 F

Reader Board

PARAMETER	IDENTIV UTRUST 3501 F
Smart Card Interface Speed	<ul style="list-style-type: none"> • Up to 600 kbps (depending on card) • TA1=97
Smart Card Clock Frequency	SO/IEC 7816 compliant up to 5 MHz; Operates up to 16 MHz
Supported Smart Card Types	5V, 3V, and 1.8V, ISO/IEC 7816 Class A/B/C
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
Contact Type	Sliding Contact Socket (8 pin)
Contactless Interface	
Supported Standards	<ul style="list-style-type: none"> • ISO/IEC 14443 A&B Part 1 - 4 • ISO 18092
Protocols	T=CL
Supported Card Chips	<ul style="list-style-type: none"> • Lascom cards • MIFARE™ (Classic, Ultralight, Ultralight C, MIFARE PLUS, DESFire, DESFire EV1 2/4/8k), FeliCa™, Calypso, CD21, NFC Forum Tag types 1/2/3/4, my-d move – SLE 66RxxP, my-d move NFC – SLE 66RxxPN, SLE 66RxxS, SLE 55RxxE
Data Transfer Rate	• 106/212/424 kbps (depending on card IC0)
Reading Distance	<ul style="list-style-type: none"> • Up to 5 mm/0.197 in for Lascom cards • Up to 40 mm/1.575 in for all other cards (depending on card chip type and card antenna size)
Antenna	Integrated
Smart Tokens	
Flash Memory Size	4GB/8GB
Supported Partition Types	<ul style="list-style-type: none"> • CD-ROM emulation • Flash RW • Hidden (sector based) • Hidden (file based) • Secure (on board encryption)
Driver and Software	
PC/SC Driver	PC/SC Specification Ver. 2.01.13 for: <ul style="list-style-type: none"> • Windows® Vista/7/8/8.1 (32 and 64 bit) • Windows® Server 2003/2008/2012 • Windows® CE 6.0, 7.0 • MacOS 10.5.x, 10.6.x, 10.7.x, 10.8.x, 10.9.x • Linux 2.4.x, 2.6.x, 3.x (32 and 64 Bit) • Android 4.0 and higher
Software	• PC/SC API
Operating Conditions	
Power Supply	Bus-powered USB
Power Consumption	<150 mA, excluding smart card; <500 µA in Standby Mode
Dimensions	80 x 60 x 10 mm/3.150 x 2.362 x 0.394 in
Weight	<10 g ± 5% / <0.022lb ± 5%
Operating Temperature Range	-20° to +70° C / -4° to +158° F
Storage Temperature Range	-25° to +85° C / -13° to +185° F
Operating Humidity Range	Up to 95% RH non-condensing
MTBF	100,000 hours
Connector	5-Pin Molex Connector.Part number: MOLEX (53254-0570) 5 PIN 2mm CONNECTOR
Status Indicator	Single LED: Green
Firmware	SmartOS™
Firmware In-Field Upgradeable	Yes

uTrust 3501 F

Smart Fold Contact Smart Card Reader Board

PARAMETER	IDENTIV UTRUST 3501 F
Certifications and Compliances	
Systems/Standards	EMV 2008 Ver 4.2 Level 1, ISO/IEC 7816, USB 2.0 Full Speed, CCID, Microsoft® WHQL
Regulatory/Environmental	CE, FCC, UL94, UL60950, VCCI, ICES, ANZ, CNS, HBCI, GSA APL, RoHS2, REACH, WEEE
Ordering Information	
Product Part Number	905430



Identiv (NASDAQ: INVE) is a global security technology company that establishes trust in the connected world, including premises, information, and everyday items. CIOs, CSOs and product departments rely upon Identiv's trust solutions to reduce risk, achieve compliance, and protect brand identity. Identiv's trust solutions are implemented using standards-driven products and technology, such as digital certificates, strong authentication, mobility, and cloud services.

Identiv has offices worldwide. Addresses and phone numbers are listed at identiv.com/contact. For more information, visit identiv.com or email sales@identiv.com.