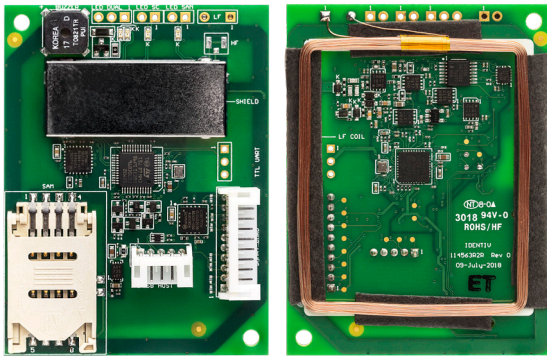


uTrust 5501 F On Board Antenna (OBA)

125 KHz and 13.56 Mhz Multi-Technology Smart Card Reader/Writer Module



- **Multi-Technology**

Supports contact and contactless technology

- **Multi-Frequency**

Supports 125 KHz and 13.56 MHz contactless cards

- **Multi-Protocol**

ISO14443 A/B, ISO15693, NFC, MIFARE™, FeLiCa™, and iClass/iClass Seos™ through SAM

- **Compact**

Small form factor for easy system integration

Identiv's uTrust 5501 F On Board Antenna (OBA) 125KHz and 13.56 Mhz Multi-Technology Smart Card Reader/Writer Module combines contact and multi-frequency/multi-ISO contactless interface capabilities to support a wide variety of identification applications. The module supports contact smart card personalization (both synchronous and asynchronous), contactless high-frequency 13.56 MHz cards that are compatible with ISO14443, ISO15693, FeLiCa, and contactless low-frequency cards that operate at 125 kHz.

uTrust 5501 F's optional Secure Access Module (SAM) slot provides enhanced application security via secure authentication, mutual authentication, key management, and smart card cryptographic functions. Secure communication with proprietary card technologies, such as iClass™, iClass Seos™, and more, are supported through onboard SAM.

The module's smart card header allows for an additional contact card slot for ID-1 or ID-000. This expands the capabilities of the module to read ID-1-sized contact cards or provide an additional SAM slot.

Identiv-powered SmartOS™ in-field upgradeable firmware makes uTrust 5501 F a secure, forward-looking investment, providing both flexibility and fast time-to-market for new products and applications, as well as minimum risk linked to the evolution of technology standards. Ideal applications for the module include electronic identification and e-passport, e-banking, and e-commerce.

PARAMETER	uTrust 5501 F On Board Antenna (OBA)
Host Interfaces	
Primary Interface	USB 2.0 CCID (USB 1.1/3.0 compliant), 12 Mbps (USB full speed)
Smart Card Interface	
Supported Standards	ISO/IEC 7816 Part 1 to 4
Supported ICs	All ISO/IEC 7816 compliant Smart Card ICs
Smart Card Protocols	T=0, T=1
Smart Card Interface Speed	Communication speed up to 600 kbps (PPS, FI parameter)
Smart Card Clock Frequency	ISO/IEC 7816 compliant; Operates up to 16 MHz (PPS, DI parameter)
Supported Smart card Types	5V, 3V, and 1.8V; ISO 7816 smart card Class A, B, and C
Contact Type	On board SAM slot; external slot (ID-1 or ID-000)

Contactless Interface (HF and LF)	
Supported Standards	ISO 14443 A and B (13.56MHz) smart cards, ISO 15693, and 125KHz
Protocols	T=CL
Supported Card Chips	MIFARE (Classic 1K and 4K, DESFire, Ultralight, Ultralight C, PLUS, mini, EV1), FeLiCa (Lite and Secure), NFC (Type 1 - 5), Calypso cards, iClass through iClass SAM, and LF (ASK, FSK and PSK)
Data Transfer Rate	106/212/424/848 kB/s (depending on card IC)
Operating Distance	Up to 2.5 cm depending on frequency
Antenna	Integrated HF and LF antenna
Driver	
PC/SC DRIVER	PC/SC Specification Ver. 2.01.14 for: <ul style="list-style-type: none"> • Windows® 10 (32 and 64 Bit) with Device Guard support • Windows® Server 2012 / 2016 • MacOS 10.12.x • Linux 3.x, 4.x
Operating Conditions	
Power Supply	Bus-powered USB
Dimensions	2.75 x 2.00 x 0.32 in (subject to change)
Weight	26 Grams
Status Indicator	Four (4) LEDs (review manual for more information)
Firmware In-Field Upgradability	Yes
Firmware	SmartOS™
Operating Temperature Range	0° to 50°C (32° to 122°F)
Operating Humidity Range	Up to 90% RH non-condensing
Buzzer	Beeps with every card detected
Certificates and Compliance	
Standards	ISO/IEC 7816, ISO/IEC 14443, ISO/IEC 15693, USB 2.0 Full Speed, CCID, and Microsoft® WHQL
Regulatory/Environmental	CE, FCC part 15 Subpart C, Certified as module, RoHS2, REACH, and WEEE
Ordering Information	
Product Part Number	905567

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. For more information, visit identiv.com or email sales@identiv.com.

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