

SPR332 v2.0

Secure Class 2 PIN Pad Reader



- **SECURE PIN ENTRY**
 Prevents unauthorized access while connected to the network
- **APPLICATION READY**
 Supports all major smart card ICs and technologies in just one device
- **FAST**
 Transaction time optimized for maximum end user acceptance
- **CONVENIENT**
 Robust user friendly design, with tamper evident casing
- **SMARTOS™ POWERED**
 Field upgradable firmware

Identiv's SPR332 v2.0 Secure Class 2 PIN Pad Reader allows securely executed authentication processes within the device, protecting the entered data from various attacks. The reader supports secure e-commerce, e-health, and similar applications when securing private data is the key.

The extended card data transmission rate of up to 600 kbps with the support of TA1=97 enables the shortest possible transaction time for maximum end-user convenience. The Identiv-specific SmartOS™ features easy and complete support of all major contact smart cards. The Identiv driver platform and Windows® Plug-and-Play driver support allow seamless integration into any end-user environment with very little or no administration.

With SPR332 v2.0, the end-user experiences convenience, transaction-time efficiency, security, and reliability for applications including digital signature, authentication and verification, and other applications requiring secure PIN entry.

Specifications

PARAMETER	SPR332 V2.0
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	ISO/IEC 7816 Part 1 to 4
SUPPORTED TAG ICS	All major ISO/IEC 7816 compliant smart card IC support
PROTOCOLS	T=0, T=1
INTERFACE SPEED	<ul style="list-style-type: none"> Up to 600 kbps (depending on card) TA1=97
CLOCK FREQUENCY	<ul style="list-style-type: none"> ISO/IEC 7816 compliant up to 5 MHz Operates up to 12 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	Landing contact

Specifications

PARAMETER	SPR332 V2.0
DRIVER AND SOFTWARE	
PC/SC DRIVER	PC/SC Specification Ver. 2.01.14 for: <ul style="list-style-type: none"> Windows® XP/Vista/7/8/10 (32 / 64 bit) / Windows® Server 2008/2012/2016 Windows 10 Enterprise Device Guard compatible MacOS 10.10.x, 10.11.x, 10.12.x Linux 2.4.x, 2.6.x, 3.x (32 / 64 bit) Android 4.0 and higher
HUMAN INTERFACE	<ul style="list-style-type: none"> Dual LED and buzzer indicating status 3x4 +1 keypad Tamper evidence
SOFTWARE	<ul style="list-style-type: none"> PC/SC API CT-API (through wrapper on top of PC/SC) Synchronous-API (through wrapper on top of PC/SC) M-Card API (through wrapper on top of PC/SC) Identiv Android CCID library
OPERATING CONDITIONS	
POWER SUPPLY	<12mA, excluding smart card, <800µA in standby mode
DIMENSIONS	120 x 70 x 40 mm
WEIGHT	250 g
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	Landing contact 200,000 card insertions
MTBF	500,000 hours
CABLE AND CONNECTOR	USB cable 1.50 m long with type A connector
FIRMWARE	SmartOS™
FIRMWARE IN-FIELD UPGRADEABLE	Yes
CERTIFICATIONS/COMPLIANCES	
SYSTEMS/STANDARDS	EMV 2011 Ver 4.3 Level 1 (ready, pending approval), ISO/IEC 7816, USB 2.0 Full Speed, CCID, Microsoft® WHQL
REGULATORY/ENVIRONMENTAL	CE, FCC, UL 60950, RoHS2, REACH, WEEE
ORDERING INFORMATION	
PRODUCT PART NUMBER	905127-1

Identiv, Inc. (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 and a wide range of RFID-enabled applications. Customers in the government, enterprise, consumer, education, healthcare, 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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