

## 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"> <li>Up to 600 kbps (depending on card)</li> <li>TA1=97</li> </ul>
CLOCK FREQUENCY	<ul style="list-style-type: none"> <li>ISO/IEC 7816 compliant up to 5 MHz</li> <li>Operates up to 12 MHz</li> </ul>
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"> <li>Card present switch</li> <li>Automatic power on/off</li> <li>Short circuit protection</li> </ul>
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"> <li>Windows® XP/Vista/7/8/10 (32 / 64 bit) / Windows® Server 2008/2012/2016</li> <li>Windows 10 Enterprise Device Guard compatible</li> <li>MacOS 10.10.x, 10.11.x, 10.12.x</li> <li>Linux 2.4.x, 2.6.x, 3.x (32 / 64 bit)</li> <li>Android 4.0 and higher</li> </ul>
HUMAN INTERFACE	<ul style="list-style-type: none"> <li>Dual LED and buzzer indicating status</li> <li>3x4 +1 keypad</li> <li>Tamper evidence</li> </ul>
SOFTWARE	<ul style="list-style-type: none"> <li>PC/SC API</li> <li>CT-API (through wrapper on top of PC/SC)</li> <li>Synchronous-API (through wrapper on top of PC/SC)</li> <li>M-Card API (through wrapper on top of PC/SC)</li> <li>Identiv Android CCID library</li> </ul>
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](http://identiv.com/contact). For more information, visit [identiv.com](http://identiv.com) or email [sales@identiv.com](mailto:sales@identiv.com).

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