RSA

RSA SecurID(R) Hardware Authenticators
Technical Specifications

Overview:

RSA SecurID authenticators are as simple to use as entering a password, but much more secure. Each end user is assigned an RSA SecurID authenticator that generates a unique one-time-use code. The code is a pseudo-random number (PRN) that changes after a certain time interval, typically every 60 seconds. When logging on, the user simply enters this number plus a secret PIN in order to be successfully authenticated.

The RSA SecurID hardware token comes in a variety of convenient models:

The RSA SecurID SID700 models are key fob styles that can be affixed to a key chain and offer extreme durability in a reliable and easy to carry form.

The RSA SecurID SID800 offers the same one-time password functionality of the others as well as added functionality through a built-in USB connector and smartchip. This device can be used to generate one-time-use codes as well as for storage of Windows® username / password credentials and digital certificates. Additionally, when connected, the RSA SecurID SID800 token supports automatic token code entry allowing applications to programmatically access token codes directly off the device, eliminating the need for the user to type their code.

Physical Characteristics:

	SID700	SID800
		
Height	20mm*	20mm*
Width	68.62mm	89.4mm
Thickness	10.59mm	10.59mm
Weight	16 grams	21 grams
Materials	PC/ABS Alloy	PC/ABS Alloy
Key Ring	Yes	Yes
Power	3v Lithium (Coin cell)	3v Lithium (Coin cell)
Display	Liquid Crystal (LCD)	Liquid Crystal (LCD)
Keyboard	NA	NA

*The device measures 27.68mm at its widest point.

Hardware Test Parameters:

Test	Description	RSA Specifications	
		SID700	SID800
Operating Temperature	Operational temperature range	0°C to 40°C	
Temperature Cycling	Simulates extreme temperature changes	–20°C to 70°C	
Humidity	Simulates high humidity conditions	95% +/- 5% non-condensing	
Accelerated Life Test	Simulates the authenticator aging. By elevating temperature, one can simulate the potential field failures and the lifetime operation of the token	30 Days @ 70°C	
Mechanical Vibration	Tests authenticator structural integrity	Ruggedized testing in accordance to the MIL-STD 810F guidelines.	

Test	Description	RSA Specifications	
		SID700	**SID800**
Mechanical Shock	Tests the structural integrity of the authenticator after sudden impact	Ruggedized testing in accordance to the MIL-STD 810F guidelines.	
Electrostatic Discharge (ESD)	The amount of electrostatic discharge an authenticator can withstand for both air discharge and surface discharge	Tested according to EN6100-4-2 Meets or Exceeds Levels listed by EN50081-1 and EN50082-2	
USB Insertions	Minimum number of USB insertions	N/A	Meets or exceeds USB 2.0 Rev 1.0 High Durability Class Ratings
Tamper Evident	Token should exhibit signs of tampering	Compliant with ISO 13491-1; ISO DIS 13491-2 Annex A, Section A.2.1.2, Statement A1, A2 and A4.	
Radiated Immunity (EMI)	Measures immunity to high frequency electromagnetic waves	Complies with: EN61000-4-2 and ENG61000-4-3	
Radiated Susceptibility	Measures immunity to low frequency electromagnetic waves	Complies with: Method RS101, MIL-STD-461E	
Radiated Emissions	Measures the token emissions	Complies with: EN55022 Class A and B	

Hardware Certifications:

<table>
<tr><th>Certification</th><th>Description</th><th colspan="2">RSA Specifications</th></tr>
<tr><th></th><th></th><th>SID700</th><th>SID800</th></tr>
<tr><td>UL

US

Canada</td><td>UL 913-6th Edition

CSA-C22.2-No. 157-92</td><td colspan="2" rowspan="3">Designed and tested to UL 913-6th Edition. Not listed or marked.

Designed and tested to CSA-C22.2 – NO 157-92. Not listed or marked.

Title 47, part 15, subpart B, class A and B

Conforms with Directives
93/68/EC: 2004/108/EC: 2006/95/EC</td></tr>
<tr><td>FCC</td><td>United States guidelines for radiated and conducted emissions</td></tr>
<tr><td>CE</td><td>European Union guidelines for safety and EMC</td></tr>
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Export Compliance:

Tokens are not subject to ITAR (International Traffic in Arms) restrictions. Tokens are governed under Commerce jurisdiction, Export Control Classification (ECCN) 5A992.

Tokens can be exported or re-exported to all international destinations with the exception of Cuba, Iran, Iraq, Libya, North Korea, Sudan, & Syria.

NOTE: Specifications are subject to change without notice