

# IRONKEY™ S1000, S250 AND D250 HARDWARE COMPARISON


**S1000**

**S250**

**D250**

FEATURES	S1000	S250	D250
<i>Capacity</i>	4GB, 8GB, 16GB, 32GB, 64GB, 128GB	2GB, 4GB, 8GB, 16GB, 32GB	2GB, 4GB, 8GB, 16GB, 32GB, 64GB
<i>Speed</i>	Up to 400MB/s read Up to 300MB/s write	Up to 31MB/s read Up to 24MB/s write	Up to 29MB/s read Up to 13MB/s write
<i>Dimensions</i>	82.3mm X 21.1mm X 9.1mm	75mm X 19mm X 9mm	75mm X 19mm X 9mm
<i>Weight</i>	1.12 oz (32 grams)	.9 oz (25 grams)	.9 oz (25 grams)
<i>Waterproof</i>	MIL-STD-810F	MIL-STD-810F	MIL-STD-810F
<i>Operating Temperature</i>	0°C, +70°C	0°C, +70°C	0°C, +70°C
<i>Storage Temperature</i>	-40°C, +85° C	-40°C, +85°C	-40°C, +85°C
<i>Durability</i>	Ruggedized	Ruggedized	Ruggedized
<i>Operating System Encryption Compatibility</i>	Windows 8.1 / 8 / 7 Windows Vista Windows XP SP2+ Macintosh OS X 10.5+ Linux 2.6+	Windows 8.1 / 8 / 7 Windows Vista Windows XP SP2+ Macintosh OS X 10.5+ Linux 2.6+	Windows 8.1 / 8 / 7 Windows Vista Windows XP SP2+ Macintosh OS X 10.5+ Linux 2.6+
<i>Hardware Encryption</i>	Data: AES XTS mode Encryption Keys: 256-bit Hardware DRNG PKI: 2048-bit RSA Hashing: 256-bit SHA FIPS Validations: 140-2 Level 3	Data: AES Cipher-Block Chaining mode Encryption Keys: 256-bit Hardware DRNG PKI: 2048-bit RSA Hashing: 256-bit SHA FIPS Validations: 140-2 Level 3	Data: AES Cipher-Block Chaining mode Encryption Keys: 256-bit Hardware DRNG PKI: 2048-bit RSA Hashing: 256-bit SHA FIPS Validations: 140-2 Level 3
<i>Hardware Interface</i>	USB 3.0 SuperSpeed Section 508 Compliant	USB 2.0 High Speed Section 508 Compliant	USB 2.0 High Speed Section 508 Compliant

# IRONKEY BASIC, PERSONAL AND ENTERPRISE HARDWARE COMPARISON

FEATURES	S1000		S250 & D250		
	ENTERPRISE	BASIC	ENTERPRISE	PERSONAL	BASIC
<b>REMOTE POLICY CONTROL AND ENFORCEMENT</b>					
<i>Remote lockout or destruction of lost and stolen drives</i>	X		X		
<i>User password rules</i>	X		X		
<i>Authorization controls regarding where devices work</i>	X		X		
<i>Authorization restricting offline use</i>	X		X		
<i>Delegated roles separating policy and user administration</i>	X		X		
<i>Access revocation of terminated employees and admins</i>	X		X		
<b>LIFECYCLE MANAGEMENT</b>					
<i>Automated provisioning of policies, services and software</i>	X		X		
<i>User self-help and remote user assistance</i>	X		X		
<i>Management dashboard</i>	X		X		
<i>Device audit, device location and device status reports</i>	X		X		
<i>Remote policy and firmware updating</i>	X		X		
<i>Device recovery, reset and recycle</i>	X		X		
<b>STRONG AUTHENTICATION TOKEN</b>					
<i>Onboard or imported X.509 PKI certificate</i>			X		
<i>One-Time passwords: RSA SecurID® and CRYPTOCARD</i>			X		
<i>VeriSign® Identity Protection (VIP)</i>			X	X	
<b>WINDOWS CLIENT SECURITY TOOLS</b>					
<i>Secure Web browser and Web privacy service</i>			X	X	
<i>Online password management</i>			X	X	
<i>Encrypted local backup</i>			X	X	X
<i>Virtual keyboard</i>	X	X	X	X	X
<b>EASY TO USE AND DEPLOY</b>					
<i>Customizable Control Panel (Windows® and Mac® OS)</i>			X	X	X
<i>Self-initializing</i>	X	X	X	X	X
<i>No drivers or software to install</i>	X	X	X	X	X
<b>SELF-DEFENDING</b>					
<i>Anti-virus anti-malware protection</i>	X		X	X	
<i>Password-protected from brute force attacks in hardware</i>	X	X	X	X	X
<i>Detects and responds to physical tampering</i>	X	X	X	X	X
<b>CROSS-PLATFORM HARDWARE ENCRYPTION</b>					
<i>Automatic AES 256 XTS-mode encryption</i>	X	X			
<i>Automatic AES 256 CBC-mode encryption</i>			X	X	X
<i>Cryptochip generates keys with True Random Number Generator</i>	X	X	X	X	X
<i>Keys managed in Cryptochip and never leave the device</i>	X	X	X	X	X
<i>Windows 8.1 / 8 / 7, Vista and XP</i>	X	X	X	X	X
<i>Mac OS X 10.5 and greater</i>	X	X	X	X	X
<i>Linux version 2.6 and greater</i>	X	X	X	X	X
<b>RUGGED, FAST AND PHYSICALLY HARDENED</b>					
<i>Tamper-resistant and tamper-evident enclosure</i>	X	X	X	X	X
<i>Shielded from electronic scanning</i>	X	X	X	X	X
<i>Waterproof, shockproof and dustproof</i>	X	X	X	X	X
<i>Ultrafast dual channel architecture</i>	X	X	X	X	X

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