



Overview	
Smart card IC	Atmel AT90SC6464C-Pro-USB
Communication speed	USB full speed (12Mbps)
Card operating system	GlobalPlatform 2.0.1 on Java Card 2.1.1
Cryptographic functions	<ul style="list-style-type: none"> <li>• Hardware accelerated DES, 3DES, RNG, Checksum, CRT/RSA (1024 bit)</li> <li>• SHA-1 (FIPS 180-2, NIST certified MartSoft with certificate #166)</li> <li>• 3DES (FIPS 46-3, NIST certified MartSoft with certificate #182)</li> <li>• RSA encryption/decryption/sign/verify and on-token RSA key pair generation</li> <li>• Pseudo (X9.31) and true random number generation</li> </ul>
Certifications	<ul style="list-style-type: none"> <li>• FIPS 140-2 level 2 (NIST certified MartSoft with certificate #380)</li> <li>• FCC EMC/EMI Class B</li> <li>• Hardware EAL4+ certified</li> <li>• Microsoft certified CSP implementation</li> <li>• WHQL tested for Microsoft Windows</li> </ul>
API & SDK standards	<ul style="list-style-type: none"> <li>• PC/SC compliant</li> <li>• PKCS#11 V2.11</li> <li>• Microsoft Cryptographic Service Provider (CSP), certified by Microsoft</li> <li>• X.509 Certificates</li> <li>• ISO7816 1,2,3,4,5 compliant, T=0</li> <li>• SSL v3</li> </ul> <p>Successfully integrated with applications like VPN, secure Wi-Fi (802.1x) token, web access, Windows logon, Microsoft Certificate Server, Email encryption &amp; signature, Single-Sign-On, etc.</p>
Supported computer-side operating systems	Windows 2000/XP/ME/98
EEPROM	64Kb
RAM	3Kb
Durability	<ul style="list-style-type: none"> <li>• 10 Years Data Retention</li> <li>• More than 500,000 Write/Erase Cycles</li> </ul>
Special features	<ul style="list-style-type: none"> <li>• Power-up integrity test</li> <li>• Pair-wise self test for all crypto functions</li> <li>• Multi-Processes, Multi-Applications</li> <li>• Multiple certificates, keys and key pairs</li> </ul>

Contact: [Smart-Card@MartSoft.com](mailto:Smart-Card@MartSoft.com)

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