

eToken PRO Comparison – Siemens CardOS and Java Card Based

Item	eToken PRO (Siemens CardOS Based)	eToken PRO (Java Card Based)	Comments
Smart card operating system	Siemens CardOS 4.01 / 4.2 / 4.2B	Athena OS755 (Java Virtual Machine) with Aladdin eToken applet	
Smart card chip	Infineon SLE66 series	Atmel AT90SC25672RCT	
Smart card memory	32K, 64K	72K (55K free memory)	Currently the Java card based eToken PRO devices have 55K memory free (for storage of keys, certificates, applets, etc.). The free memory may be increased in the future.
Device certifications	Certified FIPS 140-1 (32K model with CardOS 4.01) Planned: FIPS 140-2 level 2 & 3	Planned: FIPS 140-2 level 2, 3, & 4 Planned: Common Criteria EAL4 SSCD-PP Type 3	CC certification for Java card based eToken PRO will be based on SSCD (Secure Signature Creation Device) protection profile – important for compliance to digital signature laws.
RSA key generation and storage on-board the smart card	Up to 2048	Up to 2048	
PKI Client (formerly RTE) versions supported	3.65 and above (Note: some versions of these devices support RTE 3.50 / 3.60 – if needed please inquire)	4.55	
Ability to customize token operation	No	Yes – possible to load Java applets for customers' specific applications (note: requires application development by the customer)	
Support for solution partner applications	Through SDK 3.60 and 4.5	Through SDK 3.60 (high level APIs) and 4.5	
Token customization options	RFID, logo printing, logo engraving, custom plastic colors	RFID, logo printing, logo engraving, custom plastic colors, Java applets	