InnaIT^{Key} SPECIFICATION PK122X-DSC

SPECIFICATION

	Category	Nominal Value
1	**GENERAL SPECIFICATION**	
a	Operating Temperature	0°C to 85°C
b	Operating Voltage	5V DC, 22mA
c	Connectivity	USB Type-A 2.0
d	Indication	Tri-Colour LED
e	ESD	IEC61000-4-2 Air Discharge +/- 8KV
f	Compliance	FIPS 140-2, BIS, FCC, CE, ROHS
g	Sensor Type	Touch
2	**MICRO CONTROLLER**	
a	Controller	Infineon SLE78
b	CPU	Self-checking dual CPU with Integrity Guard™
c	Certifications	Common Criteria EAL 6+ (high) EMVCo
d	Asymmetric Cryptography	ECC up to 521-bit RSA up to 4096-bit
e	Symmetric Cryptography	AES 256-bit
3	**DIGITAL SIGNATURE CERTIFICATE MODULE**	
a	FIPS 140-2 certified - Infineon SLB9672 FW16	
b	RSA (1024, 2048, 3072 and 4096 bit), ECC (NIST P256, BN P256, NIST P384)	
c	SHA-1, SHA-256, SHA-384	
d	AES-128, AES-192, AES-256	
4	**MECHANICAL**	
a	Device Dimension	H 33.8mm, W 12mm, T 4.5mm
b	Material type	SS & ABS
c	Device Weight	5g (w/o package)

OVERVIEW

InnaITKey DSC is India's first Atmanirbhar (Make in India) USB token for storing digital certificates. It uses no components from border sharing countries. It is compliant with Controller of Certifying Authority (CCA) guidelines and you can store digital certificates issued by any Certifying Authority (CA).

HIGHLIGHTS

- Device authenticity verified using PKI as opposed to using serial number, VID or PID
- Password setting is in the hands of the user and not preset by issuer
- Activation by BOTS prevented as user presence validated by either touch or biometric authentication
- Discerning users may choose biometric DSC for stronger security
- Secured FIPS 140-2 module with high-end controller

*Subject to change