



# InnaIT<sup>Key</sup> SPECIFICATION

## PK110X-DSC



### 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). In addition to the security of PIN to access digital signature data, biometric verification of the user provides another level of security resulting in a much improved non-repudiation scenario.

### 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

## SPECIFICATION

Category	Nominal Value
<b>1 GENERAL SPECIFICATION</b>	
a Operating Temperature	0°C to 85°C
b Operating Voltage	5V DC, 30mA Idle/50mA capture
c Connectivity	USB Type-C 2.0
d Indication	Tri-Colour LED
e ESD	IEC61000-4-2 Air Discharge +/- 8KV
f Certifications	BIS, FCC, CE, ROHS
<b>2 MICRO CONTROLLER</b>	
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
<b>3 SENSOR SPECIFICATION</b>	
a Sensor	Synaptics MIS; High performance sensor with hardware accelerated ultra-fast match time
b Sensor type	Capacitive
c DPI	363DPI
d Security	Hardware accelerated security engine for end-to-end security
<b>4. DIGITAL SIGNATURE CERTIFICATE MODULE</b>	
a FIPS 140-2 certified - Infineon SLB9672 FW16	
b RSA (up to 4096 bit) ECC (NIST P256, NIST P384)	
c SHA-1, SHA-256, SHA-384	
d AES-128, AES-192, AES-256	
<b>5 MECHANICAL</b>	
a Device Dimension	H 42.4mm, W 23mm, T 7.1mm
b Material type	ABS
c Device Weight	4.24g (w/o package)

\*Subject to change



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