



InnaITKey SPECIFICATION

PK32XX-DSC



OVERVIEW

InnaITKey DSC is India's first Aatmanirbhar (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 is prevented as user presence validated by authentication

Secured FIPS 140-3 module with high-end controller

*Subject to change

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	Single colour LED
e	ESD	JS-001-2023 +/- 2KV
f	Compliance	FIPS 140-3, BIS, FCC, CE
g	Supported Operating Systems	Windows, macOS, Linux, Android, iOS
2 DIGITAL SIGNATURE CERTIFICATE MODULE		
a	FIPS 140-3 certified - NXP P71 D600	
b	RSA (2048, 3072 and 4096 bit), ECC (NIST P256, NIST P384, NIST P521)	
c	SHA-256, SHA-384, SHA-512	
d	EAL 6+ Certification	
3 MICRO CONTROLLER		
a	Controller	NXP MCXA143
b	CPU	1X Arm 32-bit Cortex-M33
c	Certifications	Common Criteria EAL 6+ (high) EMVCo
d	Security	128-bit UUID by IETF's RFC4122 version 5
4 TOUCH SENSOR		
a	Sensitivity	25 PF
b	Response time	60ms
5 MECHANICAL		
a	Device Dimension	H 49.00mm, W 18.6mm, T 11.10mm
b	Material type	ABS
c	Device Weight	7.46g (w/o package)



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