

InnaIT^{Key} SPECIFICATION PK1100



OVERVIEW :

InnaIT^{Key} is a secure biometric device incorporating a best-in-class, highly secure anti-spoof fingerprint match-in-sensor and a high-end crypto controller that provides advanced asymmetric cryptography. Together with the server stack and SDK, the solution eliminates credential compromise, enables multi-device use and end-to-end encryption. InnaIT^{Key} is a state-of-the-art offering that solves problems across various industry verticals like BFSI, Enterprises, Automobile, Share trading, Pharmaceuticals and more.



SPECIFICATION

Category	Nominal Value
1 GENERAL SPECIFICATION	
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	FIDO2 L2, BIS, FCC, CE, ROHS
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 SENSOR SPECIFICATION	
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
4 MECHANICAL	
a Device Dimension	H 32mm, W 19mm, T 5.20mm
b Material type	ABS
c Device Weight	20g

*Subject to change



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