



InnalTKey SPECIFICATION PK1101



OVERVIEW :

InnalT^{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. InnalT^{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	Authentication	Fingerprint PIN
e	Indication	Tri-Colour LED
f	ESD	IEC61000-4-2 Air Discharge +/- 8KV
g	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	Package Size	10.87mm x 10.87mm
d	DPI	363DPI
e	Security	Hardware accelerated security engine for end-to-end security
4	MECHANICAL	
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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