

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, Automobile, Share trading, Pharmaceuticals and more.

HIGHLIGHTS :

 Security System on Chip (SoC)	 Biometric Match in Sensor
 Unique Signature	 End-to-End Solution H/W & S/W Integration

SPECIFICATION

Category	Nominal Value
1 GENERAL SPECIFICATION	
a	Operating Temperature 0°C to 85°C
b	Operating Voltage 5V, 100mA DC
c	Connectivity USB Type-C 2.0
d	Indication Tri-Colour LED
e	ESD IEC61000-4-2 Air Discharge +/- 8KV
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 32mm, W 19mm, T 5.20mm
b	Material type ABS
c	Device Weight 20g