

KB-6868S-FcA

Keyboard Built-in Smart Card & Fingerprint Reader



A robust full-size USB keyboard made in Taiwan, integrating a high-security smart card reader and **PIV-certified capacitive fingerprint sensor**. Featuring **508 DPI resolution with gold-coated active bezel**, it ensures precise ID verification for government, healthcare, banking, and enterprise systems. The embedded algorithm supports rapid template extraction and matching, storing up to 100 fingerprint templates securely. Manufactured in Taiwan for **TAA compliance**, it supports Windows, Linux, and Android for seamless integration in secure environments.

Keyboard		
Key Number	104/105/ 109 Keys (US/ EU/JP)	
Key Switch	Membrane with 20 million life cycle time	
Key Force/ Traveling Distance	50 +/- 7 gm; 4 +/- 0.5 mm	
Led Indicator	4 LEDs, Num Lock, Caps Lock, Scroll Lock, Fingerprint detect	
Input Power / Interface	5 VDC, 100mA / USB 1.1 version; (PS/2 mini-DIN, optional)	
Body Shape/ Key Cap	S-curve keyboard body design/ Ergonomic keycap design with 5 different height	
Smart Card Reader		
Standard	ISO7816	
Protocols	T=0, T=1	
APDU Support	Short APDU and Extended APDU	
Card Type Support	ISO7816 Class A, B, and C (5V, 3V, 1.8V smart cards)	
API Support	PCSC, CTAPI, Synchronous-API, OCF	
Software Update Capability	Supports software update from memory card module	
Certifications	EMV 4.0 Level 1, PBOC 2.0 Level 1	
Direct Web Link Support	Configurable via external EEPROM	
PCSC Driver Support	Windows 98/ME/2K/XP (32bit), 2003 Server Win, Win NT, Windows CE5.0/ CE.NET, Windows XP 64bit, Windows Vista (32bit/ 64bit), Windows 7, Linux	
Reliability	100K card insertions (500K life cycle time also available)	
Capacitive Fingerprint Reader		
Sensor Type	Capacitive Sensor	
Certification	PIV-071006 Certified (FIPS-201 compliant)	
Sensor Coating	Gold coating with active bezel for enhanced image quality	
Image Resolution	508 DPI	
Sensor Array Size/ Imaging Area	256 × 360 pixels/ 12.8 mm × 18.0 mm	
Gray Scale Levels	8-bit (256 levels)	
Template Capacity	Stores up to 100 fingerprint templates in non-volatile memory	
Template Extraction & Matching	Embedded algorithm supporting standard and enhanced templates	
Matching Speed	Up to 56.5 matches per second (standard template)	
Others		
Physical	Dimension	465 (L) x 172 (W) x 35.3 (H)
	Box / Weight	500 (L) x 220 (W) x 55 (H) mm/ 1.3 Kg (G.W.)
Packing Information	5 pcs/ctn; 1.39 cuft/ctn; 8.5 kgs (G.W.); Carton Dimension: 51.5 x 30.5 x 25 cm	



* Features and specification are subject to change without notice.

