

# Smart Authentication Keyboard

Model : MSKB100



Mantra Softech is a Global Hi-Tech Manufacturer of Biometric Products and Solutions. We offer a Wide Range of Products in Biometric and RFID Industry.



## Introduction

This Smart Card Authentication Keyboard provides durable typing solution, stylish keyboard access secured PCs or networks directly from your keyboard. The Mantra's Smart Keyboard Authentication Keyboard MSKB100 has an integrated smart card reader and built-in biometric finger print module for easy authentication at your fingertips.

The fingerprint reader allows you to log-in with just your Contactless Smart Card or fingerprint. You can use your fingerprint to automatically log into without typing in your login credential.

PC/SC compliant wired USB connectivity helps provide secure, fast data transfers while eliminating the need for batteries.

MSKB100 offers users the convenience to gain access to confidential files with the swipe of a finger. The state of the art biometric solution for authentication gives you the convenience of simple fingerprint authentication only, or configure for one of the most secure log-in processes.

## Features

- ◆ Standard Keyboard with Integrated Smart Card Reader (Contactless) W/ Finger Print Module or W/O Finger Print Module
- ◆ Number of Keys 104 = International with Windows Vista™ Keys
- ◆ USB Bus Powered Device; Interated USB HUB to drive all three entities Keyboard, SCR & Finger Print Module
- ◆ CCID Compliance
- ◆ Card detection alert for user
- ◆ FBI PIV & STQC Certified fingerprint module

## Smart Card Reader:

- ◆ Read/write speed up to 848 kbps
- ◆ Built-in antenna for contactless tag access, with card reading distance of up to 50 mm (depending on tag type)
- ◆ Supports all types of ISO 14443 Compliant Contactless Card
- ◆ Built-in anti-collision feature (only 1 tag is accessed at any time)



## At a Glance

Device Details	Standard Keyboard	: Number of Keys 104 = International with Windows Vista™ Keys
	Smart Card Reader	: Contactless
	Wireless Operating Frequency	: 13.56MHz
	Protocol / Smart Card Interface supported	: ISO 14443 A/B
	Operating Distance	: Close Proximity of Card Holder Provided with Keyboard
	Status Indicator	: Bi-Color LED
	PC-Linked Mode	: PC/SC
	Host Interface	: Through a common USB2.0 interface cable
Fingerprint Sensor (Optional)	Fingerprint Sensor Type	: Optical Scratch free sensor
	Pixel Resolution	: 500 DPI +/- 2%
	Image Capture Speed	: less than 1 sec
	Biometrics Standard	: ISO 19794-2 for minutiae & ISO 19794-4 for Image Temp
	Certification	: IEC60950, RoHS, CE, FCC, FBI PIV, STQC
Electrical Characteristics	Operating Voltage	: 5V +/- 5% Vdc (USB Powered Device)
	Operating Current	: 140mA-200 mA (Maximum Rated Value; Subject to Type of Card)
	Stand by Current	: 60mA-100 mA (Intermittent RF Transmission)
	Interface	: PC/SC
Environmental Characteristics	Operating Temperature	: 0 to 50 °C
	Storage Temperature	: (-20) to 70 °C
	Humidity (Operating / Storage)	: 10% - 90% (Non condensing)
Compliant to Following Standard	Environmental, Health and Safety	: RoHS
	CE Marking	: YES
	Operating System	: Windows x86 & x64, BOSS OS, Linux
Mechanical Details	Dimension	: 450.50 mm (L) x 196.42 mm (W) x 54.57 mm (H)
	Weight	: Approx 1110 gm

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