










## Introduction

BioNIC V7 is most advance integrated fingerprint with contactless smart card solutions that support ISO14443 based on solution requirement and ready to use USB device for dual factor authentication. Desktop keyboard can use for PIN as per solution requirement. Use your SmartCards for authentication, Single Sign On, PKI, – this integrated product provides an easily accessible card-slot . match on card and ensures full-speed data transmission via USB 2.0 connection. It is with embedded chip that can process data and permit access to delegeted host system. It offers an open platform for all standard software applications

## Features

-  lightweight, Robust Handheld
-  Scratch free sensor surface
-  Auto capture
-  Inbuilt smart card reader
-  USB 2.0



## Specification



### Fingerprint Sensor

Fingerprint Sensor Type	: Optical
Pixel Resolution	: 500 DPI +/- 2%
Sensing Area	: 16 mm x 18 mm
Image Size	: 316 x 356 Pixels
Image Grayscale	: 256 Gray Level (8 - Bit)
Maximum Acquisition time (Placement to Template)	: < 2 Sec
Capture mode	: Auto capture with built-in quality check (incorporates NIST quality considerations)
Biometric Data Interchange Format	: ISO 19794-2 for minutiae & ISO 19794-4 for Image Template
Image Quality	: FBI PIV Compliance, STQC
Certification	: CE, FCC Part 15B class A, IEC 60950, IS 13252 (Part 1), RoHS
Device driver - fingerprint sensor	: WHQL Compliance



### Smart Card Reader

Reader Form Factor	: Reads the card in any alignment when it is placed on the reader
Wireless Operating Frequency	: 13.56MHz
Smart Card Reader speed	: Up to 424Kbps
Operating Distance	: Up to 50 mm (Depends on type of the Card)
Card Alignment	: Card Placement on front Edge of Device
Smart Card Interface Support	: ISO 14443 A/B
Device Driver	: PC/SC Compliance



### Connectivity

Protocol	: USB 2.0
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### Electrical

Power Supply	: Bus Powered
Operating Voltage	: 5V ±5%-0.5A (USB Powered Device)
Operating Current	: 250 mA
Stand by Current	: 130 mA
Interface	: USB 2.0



### Environmental

Operating Temperature	: 0 to 50 °C
Storage Temperature	: -10 °C to 60 °C
Humidity (Operating / Storage)	: 10% - 90% (Non condensing)
Environmental, Health and Safety	: RoHS



### Mechanical Details

Dimension (Aprox)	: 104 x 80.5 x 53 mm
Weight	: 255 gm



### Operating System

Operating System	: Windows x86 & x64
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