

BH102 Fingerprint Scanner

BH102 Fingerprint Scanner USB Interface



Applications

- ❖ **Elections:** voter authentication
- ❖ **Banking:** Movable payment and Authorization
- ❖ **Benefit programs:** ID check prior to service delivery
- ❖ **Healthcare:** patient or medical staff authentication, medical records management
- ❖ **Education:** student ID verification (examinations, online courses)
- ❖ **Public security:** ID card, driving license verification

Features

- ◆ **International Standard:** ISO/IEC 19794-2: 2005 , ISO/IEC 19794-2: 2011, ISO/IEC 19794-4: 2005
- ◆ ISO/IEC 19794-2: 2011, ANSI 378-2, ANSI 378-4 and WSQ supported
- ◆ **High Image Quality:** Optical fingerprint technology with superior image quality
- ◆ **Strong Adaption:** Good adaption for dry, moist and rough fingerprints
- ◆ **Correction and Authentication:** Support auto correction and 180 degree rotation authentication
- ◆ **OS Support:** Android, windows and Linux
- ◆ **SDK Support :** Windows, Android, HTML (Firefox, IE10,IE11,IE12,Chrome)

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Physical Parameter

Display	100*80*25mm (product) 172*143*30mm (packing)
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Performance Parameter

Capture Mode	Optical Touch
Sensor size	21mm x 19mm
Imaging area	256*360 pixel
Array	500 DPI
CPU	150MHz、1M Bits Flash Memory、128KB SRAM
Fingerprint scanner	CB100
Big fingerprint capacity	500-1000 fingerprints(3000pcs standard)
FAR	< 0.001 % (Security Level: 3)
FRR	< 0.1 % (Security Level: 3)
Match mode	1:N identification and 1:1 verification
Time of Response	Fingerprint pretreatment < 0.45 s



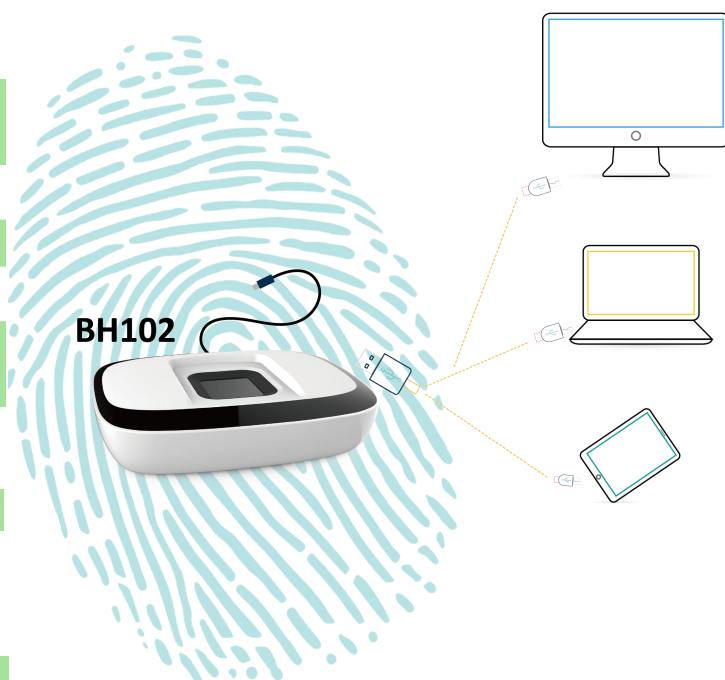
Richest Area



CBM Capture



Placement variations on smaller sensors



Communication Mode

Interface	USB2.0
USB connection	Connect with Other Device Directly

Operation Environment

Power Supply	Voltage: DC5V $\pm$ 10%
Current	Current: <150ma
Working temperature	-20 $^{\circ}$ C + 70 $^{\circ}$ C
Working	20% - 80%

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