ONE TOUCH ACCESS 100 READER

The One Touch Access 100 is an ergonomic USB fingerprint peripheral designed for desktop use. It relies on the market-proven One Touch Access 100-USB fingerprint sensor module, the same technology that has been integrated into millions of electronic devices.

The USB sensor works with the patented NEXT Active Thermal® sensing principle. The sensor technology is tolerant against dirt, grease, and varying environmental conditions.

The large active area allows stable imaging, intuitive user operation, and is ideally suited for mass market applications in need of both security and convenience.

NEXT offers a turnkey biometric solution by providing hardware drivers and a complete biometric SDK based on the high quality NEXT certified partner algorithm for Microsoft Windows 7, 8.1 and 10, making it ready for Windows Biometric Framework and Windows Hello. USB drivers are also available for Android and Linux. Support for other host operating systems is available upon request.

APPLICATION EXAMPLES:

- Windows Logon
- Single Sign-On (SSO)
- Enterprise Authentication
- Time & Attendance
- POS

TECHNICAL SPECIFICATIONS

Sensor technology	NEXT Active Thermal® sensing (patented)
Total dimensions	79.0 × 39.0 × 28.0 mm^3
Active sensing area	11.9 × 16.9 mm^2
Pixels	180 × 256
Resolution	385 ppi (pixel size 66 µm * 66 µm)
Gray scale levels	256
Image scan time	0.53 s
Finger detection	Hardware-assisted finger-on detection
Status indicator	Single LED
Power supply	5.0 V (USB)
Scan mode current draw	75 mA (typical); < 150 mA (maximum)
Standby mode current draw	362 µA (maximum)

Logical interface	USB 2.0 full-speed
Physical interface	0.9 m detachable USB cable of type Micro-B to Standard A; USB Micro-B receptacle on reader
Weight	~ 88 g (excluding cable)
ESD protection	±8 kV contact discharge, ±15 kV air discharge per IEC 61000-4-2
Mechanical durability	> 2 million touches @ 2.45 N
Scratch resistance	Durable lifetime coating, hardness > 9H
Operating conditions	-10 °C to +50 °C at 95% RH (non-condensing)
Storage conditions	-20 °C to +70 °C at 95% RH (non-condensing)
Certifications	CE, FCC, RoHS, and WEEE

www.nextbiometrics.com