

Hitachi H-1 Finger Vein Reader

Technical Data

Device Characteristics

Capture System

Infra-red light transmission
Light source above, CCD below

Accuracy

False Acceptance Rate (FAR): 0.0001%
False Rejection Rate (FRR): 0.01%
Failure to Enroll Rate (FTER): <0.03%
(ISO/IEC 19795-1 based evaluation)

Speed

Verification speed: 2.0 seconds

Features

Green and red status LEDs
Optional beep

Physical Specifications

Interface

USB 2.0
Cable length 1.8m
Encrypted finger vein image data transfer

Dimensions

59(W) x 82(D) x 74(H) mm

Weight

96g

Power

DC 5V±5% / < 500mA
Powered from USB bus

Environmental Conditions

Ambient temperature: 10 – 35 °C
Humidity: 20 - 80% (No condensation)

Electrical Certifications

FCC and CE

Software

Bundled Applications

Windows logon
Screensaver Unlock
Substitute Password Typing Application

Supported O/S

Windows XP (Home/Pro)
Windows 2000 (Pro/Server)
Windows Server 2003 (Std/R2)
English version only

Capability

Up to 100 stored user templates

Optional Software Development Kit

Standards Support

BioAPI 2.0
CBEFF

Operating system

Windows XP Professional (SP2)

Development Environment

Visual C++ 2005 (Visual Studio 2005)
Microsoft Visual C++ 6.0

Reference Code

ANSI C reference source code

