

Readers Series

Fingerprint reader

Industrial Components



Elevation

Fingerprint reader with USB connection for product development and PC-based applications. It is equipped with a fingerprint reading module based on Nitgen's unique biometrics technology.

It is a high performance, high accuracy and long lasting system, as it has been designed using the most optimised fingerprint recognition technology.



Inside

TECHNICAL SPECIFICATIONS

OTHER TECHNICAL DATA

I/O PORTS

Interfaces

Plug & play USB 2.0

Fingerprint sensor

OPU08

Resolution

500 (DPI)

Operating system

Windows, Linux, Android

Operating temperature

-20 ~ 60°C

Voltage

5 (Vdc)

Certifications

CE, FCC, KC, UL, WHQL, RoHS, Compliant

FP sensor: NITGEN OPU08 / Supply voltage: 5V DC +/- 250mV
 Current consumption: < 150mA
 Operating temperature: -20 ~ 60 C / Storage temperature: -20 ~ 70 C
 Operating humidity: RH 10 ~ 90% / Cable length: 1600 mm
 Certification: FBI PIV, FIPS201, STQC, WHQL, KC, FCC, CE, RoHS, UL
 Prism surface hardness 750Hk
 Resolution: 500 +/- 10 [DPI]
 Stage area: 16 x 18 mm
 Effective detection area: 13.2 x 16.8 mm
 Effective pixel array: 260 x 330 pixels
 Image Aspect Ratio: 0.788
 Non-linear image distortion < 3 %
 Resolution: 8 bits / pixel (256 grey levels)
 Power supply: Bus-powered
 Current Consumption (Normal): About 120mA
 Current consumption (Standby): < 5mA
 Current Capture (Capture Operation): Max. 180mA
 ESD Tolerance > +/- 8kV
 Interface: Universal Serial Bus Revision 2.0
 Transfer Type: Bulk Mode
 Communication Speed: High Speed (480Mbps) / Maximum Speed (12Mbps)
 Image Capture Rate (High Speed): About 130m/frame
 Image Capture Rate (Full Speed): About 530 m/frame

MOUNTING OPTIONS



Cave of integration

MOST COMMON APPLICATIONS

- > Fingerprinting device for ATM identification
- > Personnel access to Point of Sale terminals
- > All types of vending machines
- > Many other applications requiring user authentication

PRODUCT VALUES

- > Fast and perfect authentication thanks to its excellent algorithm
- > Excellent design and small size for easy integration
- > USB or parallel port connection
- > Supports different operating systems

SOME SUCCESS STORIES

- > Biometric kiosk

ALTERNATIVE REFERENCES

CERTIFICATIONS



CONNECTIONS

DIMENSIONS

Powered by USB

