

Jupiter 01

Fingerprint Sensor Module

NeuBio Jupiter 01 is a patented and high performance fingerprint sensor module, featuring with 500 dpi high resolution and supports ISO-19794-2, ISO-19794-4 and ANSI 378 formats. NeuBio Jupiter 01 is credited as the most compact optical fingerprint sensor module on the market and incorporates surface scratch free optical sensor. It is supported by powerful SDK with exceptionally low error rate and quick verification speed which pushes the performance to the whole next degree.



Features

- The most compact fingerprint optical sensor on the market
- Patented 500 dpi high resolution fingerprint sensor module
- High volume manufacturing design
- SDK features with powerful algorithm to perform the lowest FAR and FRR rate
- Support Windows 7, Windows 8, Windows 8.1 and Windows 10 Systems
- Support ISO-19794-2, ISO-19794-4 and ANSI-378 formats

Specification

Sensor Type	Optical Sensor
Resolution	500 dpi
Sensing Area	14mm x 18mm
Interface	USB
Image Size	252 x 330 ppi
Identification Time	< 1s
Enrollment Time	< 1s
Verification Time	< 1s
Image Format	ISO-19794-4; ANSI-378
Template Format	ISO-19794-2; ANSI-378
Dimension	See mechanical specification on page 2

Mechanical Specification

*All dimensions are in millimeters.

Figure 1. Sensor front & side view (with metal case)

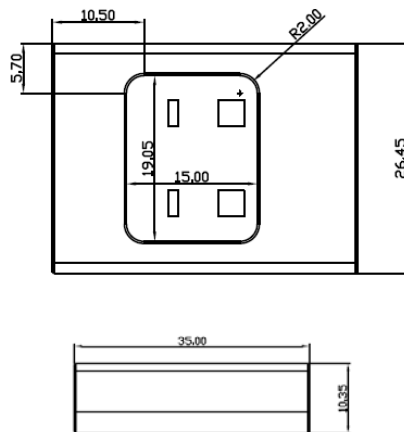


Figure 2. Sensor front & side view (removing metal case)

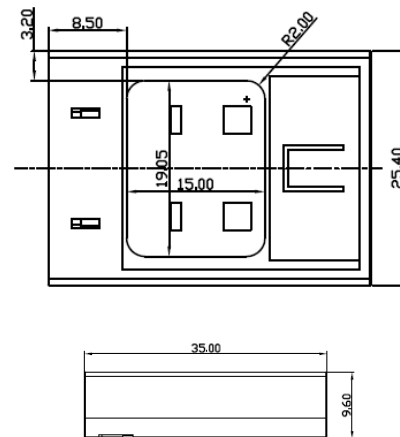


Figure 3. PCBA front & side view

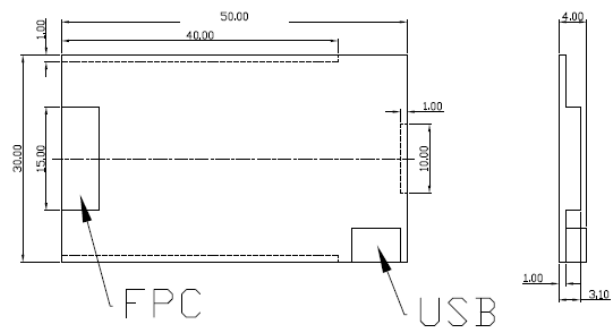


Figure 4. Module integration

This sensor module is designed and supplied with a removable metal case. The mechanical design within the target system (end user products) can choose to integrate with metal case or without it to achieve ingress protection design, if needed. However, it is required to ensure an entire Active Area to be exposed and accessible to be touched by fingers.

