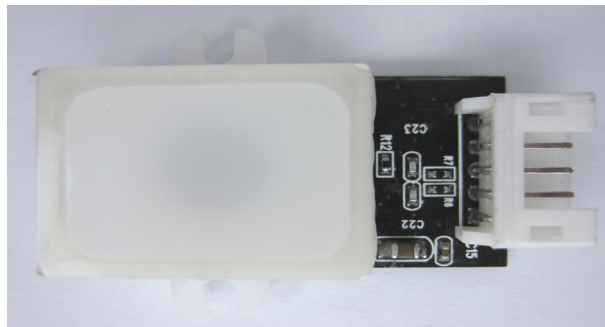


# 3D TouchPrint<sup>®</sup> USB Optical Fingerprint Authentication Module

## GTU-5110B (HT82A525R)

### Characteristics

- PC-based
- Convenient, safe and ease of use -- just one touch for registration
- Durable -- resists static electricity and other tough environmental factors
- Small size -- GTU is easy to integrate to any personal computer
- Fast scanning & matching speed
- Stability -- works well with dry, moist or rough fingerprints
- High C / P ratio -- low cost with high performance
- Live scan -- anti fake fingerprint
- Low power consumption



## Hardware Specification

Item	GTU-5110B
Dimension (LxWxH)	16 × 20 × (h :6.5 ± 0.5) mm
Sensor	CMOS sensor
Image resolution	500 DPI
Effective sensing area	12 × 14.5 mm
Image gray scale	8-bit / pixel, max 256 gray level
Indicator	Blue LED
Interface	USB 2.0 full speed
Distortion	< 1.5%
Operating temperature	-5°C ~ 50°C
Operating humidity	0~80%, non-condense
Power	DC 3.3V / DC 5V
Power consumption	< 110 mA
Matching speed	< 1 second
FAR	1 / 100,000
FRR	1 / 100
ESD	8 KV
Ambient light	5,000 LUX

## Software Specification

Item	GTU-5110B
API functions	Image capture
	Enrollment
	Matching
Matching Type	Identification (1:N)
	Verification (1:1)
Platform	Windows 2000 / XP / Win 7 / Win CE 6.0

## SDK Packages

- Demo program
- Source code for demo program in VC / VB
- Recommended H / W design
- Detailed documentation for system integration & development

