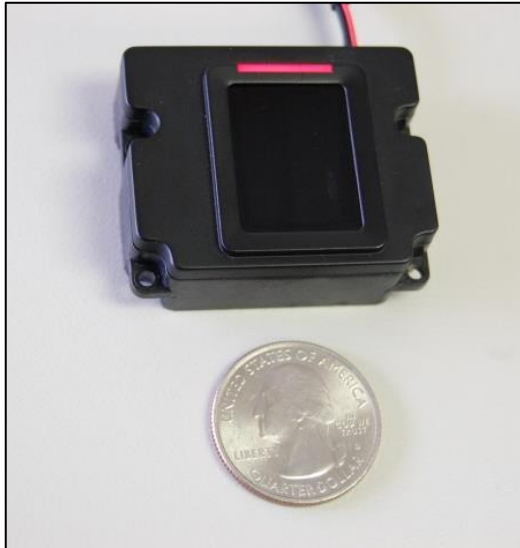


SLK20 OEM Fingerprint Module



Key Features:

- FBI PIV and Mobile ID certification; FAP20
- Selectable 500, 750, or 1000 dpi output image
- Large image capture area: 15.24 x 20.32 mm
- Durable glass touch surface
- Rejects spoof fingerprints
- Fast capture
- USB2.0 High Speed
- Multicolor (white, green, red) LED bar for status indication.
- Compact size
- Sealed against water and dust. IP64 rating from front surface.
- Ambient light rejection. Sunlight operation
- Low Power Idle Mode
- -20° to 55°C operating temperature range

The new SLK20 is a touch-based optical fingerprint module. It combines an innovative optical design, a 2 megapixel image sensor, and an ARM processor to create the ultimate biometric peripheral. It has a superior ability to capture large, high quality fingerprint images and to reject spoof fingerprints in hardware. The Silk 20 Module is available with license to the award-winning Innovatrics IDKit SDK.

Security features include: encrypted image data, encrypted template data, signed template, ability to embed and verify license keys.

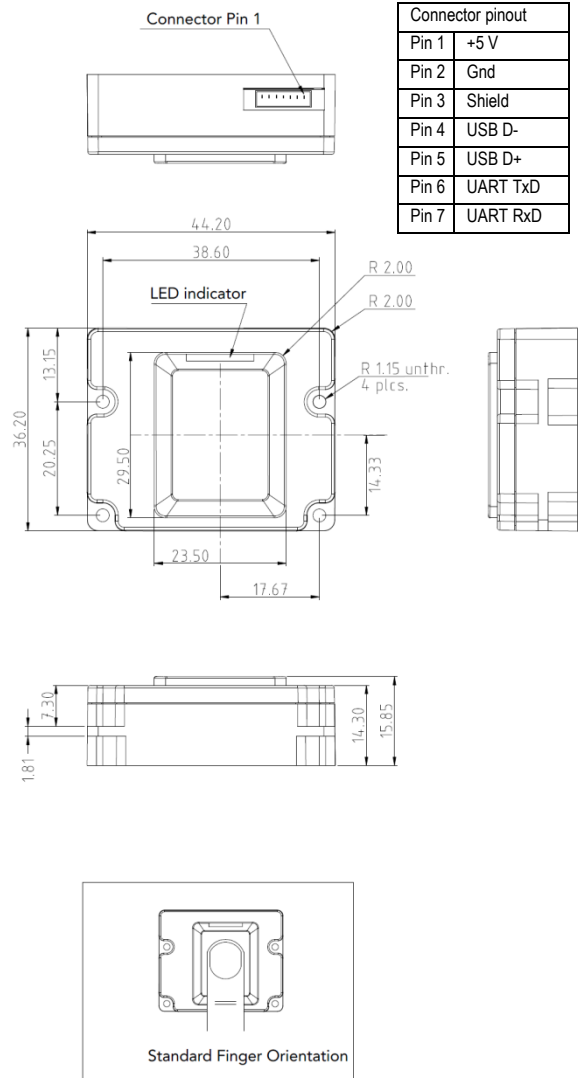
The SLK20 is ideal for use in time&attendance, logical access, e-commerce, government ID, and other user identification applications.

Hardware Specifications:

Technology	Optical
Image Capture Area	15.24 x 20.32 mm (FAP20)
Touch Surface Area	16.5 x 23 mm
Output Image Size and Pixel Resolution	300x400 pixels @500 dpi (native), 450x600 pixels @750 dpi (native), or 600x800 pixels @1000 dpi (interpolated)
Image Bit Depth	8-bit grayscale
Interface	USB 2.0 High Speed or 3.3V UART 2-wire (115.2kbs).
Operating Systems	Windows 10; Linux; Android
Power Requirements	5V, supplied by USB 200 mA scanning, 100 mA idle (waiting for finger)
Operating Environment	-20 to +55° C; 0-90% r.h. non-condensing
Certifications	FCC, CE, RoHS, PIV
Mating connector	Molex 51021-0700 (7 pin; 1.25mm)

Matching Technology	Innovatrics IDKit
Template Size and format	1-4 KB (IDKit standard) 1568 B (ISO 19794-2)
Matching Speed (on PC)	Extraction: 0.2 secs Match: 5000/sec
1-n	1:200 on Hardware (std.) 1:5000 on Hardware (extra fee) 1:10,000 on PC (std.) 1:50,000 on PC (extra fee)
Special Features	NFIQ score WSQ compression ISO template

Mechanical Specification (mm):



Part Numbering:

Part Number	Type	Interface	PIV?	Matching	Size (mm)
SLK20-MG0	OEM Module	USB	Yes	On PC	36.2 (l) x 44.2(w) x 15.85 (th)
SLK20-ME0	OEM Module - Embedded	USB and UART	Yes	In Hardware	36.2 (l) x 44.2(w) x 15.85 (th)
SLK01-ME0	OEM Module - Embedded	USB and UART	No	In Hardware	36.2 (l) x 44.2(w) x 15.85 (th)