Target Applications

• Desktop PC security

• Voting

• Entitlements

• Finance and Banking

• Health Care and Pharmacy

Features

• Low power consumption

• Fine-grained power control

• Compact size

• Landing lights for finger tracking

• Red/green status LEDs

• Blue illumination

• 500dpi and 1000dpi images

• High-durability glass top surface

• IP64 rated

• FIPS 201 PIV certified

• High quality fingerprint image

• Counterfeit finger rejection

• Compatible with Windows® 7, CE, XP Professional and Linux

Key Specifications

• Pixel resolution: 500dpi (native), 1000dpi (interpolated)

• 8-bit grayscale (256 gray levels)

• Scan capture area: 12.8mm x 16.5mm

• Reader size (approximate): 72 mm x 39 mm x 21.7 mm

• IP64 rated

• USB 2.0 (High Speed)

Product Description

The touch-style U.are.U 5160 Fingerprint Reader is a PIV-certified, optical fingerprint sensor designed to serve as a USB peripheral. This ruggedized, powerful fingerprint verification and identity machine is ideal for large deployments in voting, entitlement, healthcare, finance and education.
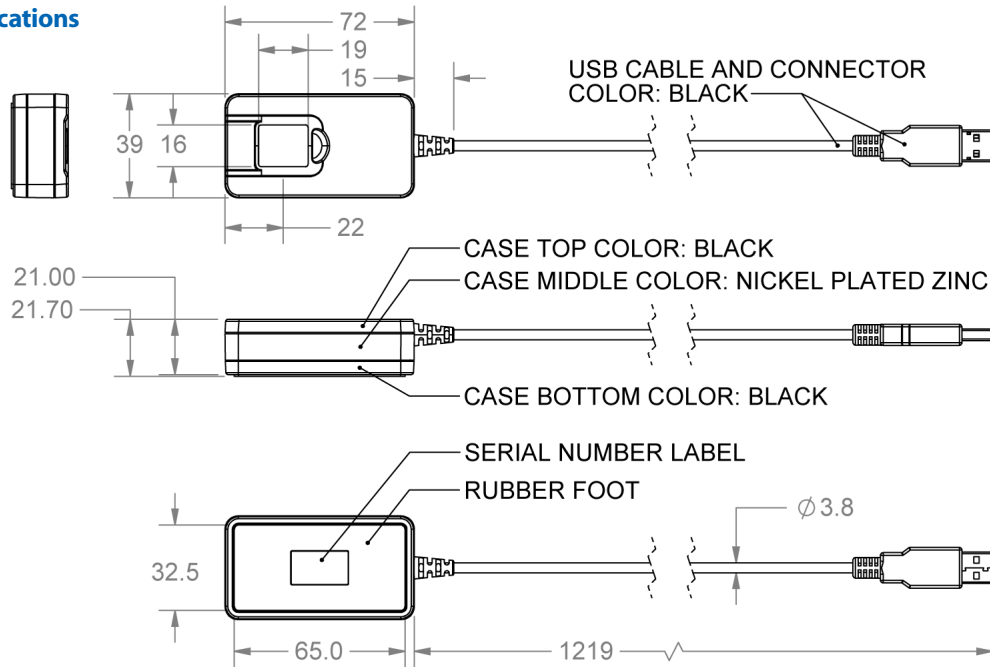
The U.are.U 5160 Reader optically scans the fingerprint when the user touches the glass imaging window. Optical technology offers the highest combination of durability and ease of use.

The reader is IP64 rated and sealed against dust and liquids. The on-board electronics automatically control calibration and data transfer over the USB interface.

The U.are.U 5160 Reader is designed to meet and exceed the FIPS 201 Personal Identity Verification (PIV) Image Quality Specification, a key industry standard. It produces 500 and 1000 dot-per-inch (dpi) fingerprint images in ANSI an ISO/IEC standard formats. The U.are.U 5160 Reader can be used with any standards-compatible fingerprint templates extractor or matcher, including the DigitalPersona® FingerJet™ Biometric Engine.

Part Number	Packaging
88010-001	U.are.U 5160 Reader Package
88010-B01	U.are.U 5160 Reader Package, bulk

Mechanical Specifications

USB CABLE AND CONNECTOR COLOR: BLACK

72
19
15
39 16
22

CASE TOP COLOR: BLACK
CASE MIDDLE COLOR: NICKEL PLATED ZINC

21.00
21.70

CASE BOTTOM COLOR: BLACK

SERIAL NUMBER LABEL
RUBBER FOOT

⌀ 3.8

32.5

65.0   1219

Ratings

Supply Voltage	5.0V ±5%
Supply Current—scanning	< 110 mA (Typical)
Supply Current—idle mode	50 mA (Typical)
Supply Current—suspend mode	< 0.5 mA (Maximum)
Temperature, Operating	0 - 40 C
Humidity, Operating	20% - 80% non-condensing
Temperature, Storage	-10 - 60 C
Humidity, Storage	20% - 90% non-condensing
Scan Data	8-bit grayscale
Top Surface	IP64 rated
Interface	USB 2.0 High Speed
Weight	84 grams
Standards Compliance	FIPS 201 PIV, RoHS, WEEE, UL, USB, WHQL

Connector Pinouts

	USB
Pin 1:	+5V
Pin 2:	D -
Pin 3:	D +
Pin 4:	Ground
Pin 5:	Shield