



UNIFOCUS WORKFORCE
MANAGEMENT



Biometric Reader

Highlights

- FIPS 201 PIV certified
- Low power consumption
- Compact size
- High durability SteelCoat surface
- IP65-rated top surface sealed against dust and liquid*
- High quality finger scan image
- Privacy protection**
- OS: Windows® 7, 8 and 10, Win CE, Linux®, Android and embedded systems (with and without OS)

Biometric Reader Datasheet

| | |
|---|---|
| Interface | <ul style="list-style-type: none"> • 12-pin flex: USB, SPI, UART @ 3.3v • 5-solder pads for USB only @ 5v |
| Power (typical) | <ul style="list-style-type: none"> • 3.0v to 3.6v • 100mA (capture, match) • Standby (USB): 1350 uA • Standby (UART/SPI): 1150 uA |
| Finger Scan Image | <ul style="list-style-type: none"> • 12.8 x 18.0 mm (256 x 360 pixels) • 508 dpi, 8-bit grayscale |
| Sensor Coating | <ul style="list-style-type: none"> • FIPS 201 (gold coating) • SteelCoat (black coating) |
| Package Size | <ul style="list-style-type: none"> • 23 mm x 35 mm x 4.1 mm |
| ESD | <ul style="list-style-type: none"> • IEC 61000 - 4.2 level 4, +/- 15KV air, +/- 8KV contact |
| Ingress Protection | <ul style="list-style-type: none"> • IP65 (water/dust protection)* |
| Environmental | <ul style="list-style-type: none"> • Operating temp: -30 to +70 C • Storage temp: -30 to +125 C • Humidity: 5% - 93% non-condensing |
| TCS1 FIPS 201 3.3v USB/SPI/UART Silver Bezel | <ul style="list-style-type: none"> • TCETC1FF02 |
| TCS1 FIPS 201 5v USB only Silver Bezel | <ul style="list-style-type: none"> • TCETC1FG02 |
| TCS1 SteelCoat 3.3v USB/SPI/UART Silver Bezel | <ul style="list-style-type: none"> • TCETD1FF02 |
| TCS1 SteelCoat 5v USB only Silver Bezel | <ul style="list-style-type: none"> • TCETD1FG02 |
| TCS1 FIPS 201 3.3v USB/SPI/UART Black Bezel | <ul style="list-style-type: none"> • TCETC1PF02 |
| TCS1 FIPS 201 5v USB only Black Bezel | <ul style="list-style-type: none"> • TCETC1PG02 |

* **Dust and liquid protection:** Requires customer to add an external gasket.

** **Privacy protection:** The biometric reader does not capture fingerprints; it identifies points on the pad of the finger and then maps points to create a mathematical representation. Our privacy protection ensures that finger scans are encrypted and never stored.

