

RS-2006

Laser scanner

Due to its lightweight and small size, the RS-2006 Bluetooth® ring barcode scanner is comfortable for all day use allowing your mobile workforce to scan barcodes quickly and safely all while keeping both hands free. Featuring an adjustable finger strap, the RS-2006 is designed for left and right-handed use.



Highlights

- One of the smallest and lightest ring barcode scanners available
- Advanced ergonomic design allows for all day comfort and scanning efficiency regardless of hand size or hand preference
- Simple Bluetooth pairing and hands-free scanning improves mobile worker's productivity
- Adjustable finger strap allows for an easy and quick conversion for either right or left hand operation
- High speed 100 scans/second laser barcode scanner
- Barcode scanner is triggered via external thumb button
- Leverage the free Software Development Kit (SDK) to customize scanning behavior
- Made of durable, high impact-resistant polycarbonate plastic, survives 1.5 m drops to concrete
- Backed by a two year warranty

RS-2006

Product Specifications



Operation

CPU: 32-bit

O/S: Proprietary

Software: 4 applications available (more applications are programmable in C-language. Free software development kit with free RX compiler)

RTC: Supports year, month, day, hour, minute, second (leap year supported)

Memory

Flashrom: 512 kB

Ram: 96 kB

External flashrom: 1 MB

Operating indicators

Visual: 1 LED (red/green/orange/blue)

Non-visual: buzzer

Operating keys

Entry options: 2 keys total, 1 function key, 1 scan key

Strap: 1 scan trigger

Communication

USB: Mini USB, ver. 1.1, USB-VCP, (USB-HID and USB-MSD on request)

Bluetooth: Ver. 4.0, SPP, HID, 1 to 1 connection, master & slave mode, authentication and encryption, BLE

Power

Rechargeable battery: Lithium-Ion 3.7V 240mAh

Operating time(Batch): 4.500 scans (1 scan / 5 sec)

Operating time(Batch, idle): 2 months

Operating time(Bluetooth): 3.500 scans (1 scan / 5 sec)

Operating time(Bluetooth, idle): 27 hours

Data retention time: Indefinite

Charge method: Enclosed USB cable

Barcode scanner optics

Light source: 650 nm visible laser diode

Scan method: Vibrating mirror

Scan rate: Up to 100 scans / second

Trigger mode: Manual

Reading pitch angle: $\pm 35^\circ$

Reading skew angle: -50° to -8° , $+8^\circ$ to $+50^\circ$

Reading tilt angle: $\pm 20^\circ$

Curvature: R>15 mm (EAN8), R>20 (EAN13)

Min. resolution at pcs 0.9: 0.127 mm / 5 mil

Min. PCS value: 0.45

Depth of field UPC:

70 - 650 mm (1.00 mm) / 2.76 - 25.59 in (39 mil)

50 - 380 mm (0.5 mm) / 1.97 - 14.96 in (20mil)

50 - 230 mm (0.25 mm) / 1.97 - 9.06 in (10mil)

50 - 130 mm (0.15 mm) / 1.97 - 5.12 in (6mil)

60 - 110 mm (0.127 mm) / 2.36 - 4.33 in (5 mil)

Supported symbologies

Barcode (1D): JAN/UPC/EAn incl. add on, Codabar / nW-7, Code 11, Code 39, Code 93, Code 128, GS1-128 (EAn-128), GS1 DataBar (RSS), IATA, Industrial 2 of 5, ISBN-ISMN-ISSN, Matrix 2 of 5, MSI/Plessey-UK/Plessey, S-Code, Telepen, Tri-Optic

Postal code: Chinese Post, Korean Postal Authority code

Durability

Temperature in operation: 0 to 40 °C / 32 to 104 °F

Temperature in storage: -20 to 60 °C / -4 to 140 °F

Humidity in operation: 20% to 85% (non-condensing)

Humidity in storage: 20% to 85% (non-condensing)

Ambient light immunity: Incandescent 4,000 lx max,

Fluorescent 4,000 lx max, direct sun 80,000 lx

Drop test: 1.5 m / 5 ft drop onto concrete surface

Vibration test: 10 - 100Hz with 2G for 30 min

Protection rate: IP42

Physical

Dimensions (W x H x D): 54 x 45 x 62 mm / 2.13 x 1.77 x 2.44 in

Weight body: Ca. 42 g / 1.42 oz (incl. battery and strap)

Case: ABS, Black

Regulatory & safety

Product compliance: CE, FCC, VCCI, RoHS, IEC60825-1 Class 2, FDA CDRH Class II

Items

Enclosed: Mini USB cable, Neck strap