

OPC-3301i

CCD Barcode Scanner



Highlights

- Wireless CCD barcode scanner with enhanced decoding algorithms for ultra-fast (300 scans/second) barcode scanning
- Reads 1D barcodes from LCD screens and mobile phones and capable of scanning negative barcodes (white bars on black spaces)
- Supports Apple MFi, SPP and HID Bluetooth profiles for added flexibility
- Memory: 1MB SDRAM, 1MB Flash ROM
- Small form factor: 2.20" x 5.20" x 4.45" (WxHxD) and 4.3 ounces including battery
- Extremely durable: IP42 rating against dust and moisture and survives 5 ft drop to concrete
- Charges via cradle (CHG-3201—sold separately), Bluetooth dongle available (OPA-3201)
- Backed by a two year warranty



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Product Specifications

MEMORY

SDRAM: 1MB

FLASH ROM: 1MB

OPERATING INDICATORS

VISUAL: 1 large LED (red/green/blue)

AUDIBLE: Buzzer

OPERATING KEYS

ENTRY OPTIONS: 1 scan key

COMMUNICATION

BLUETOOTH: Version 2.1, SPP/HID, output power class 2, range up to 10 m, 1 to 1 connection, master/slave mode, authentication and encryption

POWER

CURRENT CONSUMPTION: 15mA (stand by), max 200mA

BATTERY: Lithiumion 3.7V 1100mAh

OPERATING TIME STAND BY: Approx 72 hours (with wireless connection)

READING: Approx. 48 hours (1 scan / 5 sec)

CHARGING METHOD: Separate cradle CHG-3201

BATTERY CHARGING TIME: Ca. 3 hours (when charged with power supply)

BARCODE SCANNER OPTICS

LIGHT SOURCE: 624 nm LED

SCAN METHOD: CCD linear image sensor

SCAN RATE: 300 scans/sec

TRIGGER MODE: manual, auto-trigger

READING PITCH ANGLE: -50 to 0°, 0 to +50°

READING SKEW ANGLE: -65 to 0°, 0 to +65°

READING TILT ANGLE: 25°

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

MINIMUM RESOLUTION AT PCS 0.9: 3.94 mil (0.1 mm)

MINIMUM PCS VALUE: 0.30

DEPTH OF FIELD AT CODE 39:

5 mil (0.127 mm) 2.17 - 2.95 in (55 - 75 mm)

6 mil (0.15 mm) 1.77 - 3.94 in (45 - 100 mm)

10 mil (0.25 mm) 1.38 - 6.89 in (35 - 175 mm)

20 mil (0.5 mm) 1.57 - 11.81 in (40 - 300 mm)

40 mil (1.0 mm) 2.36 - 19.69 in (60 - 500 mm)

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 2of5, Interleaved 2of5, ISBN-ISSN -ISMN, Matrix 2of5, MSI/Plessey, S-Code, Telepen, Tri-Optic, UK/Plessey

BARCODE (POSTAL CODES): Chinese Post, Korean Postal Authority code

DURABILITY

TEMPERATURE:

Operation: 32 to 122 °F (-0 to 50 °C)

Storage: -14 to 140 °F (-20 to 60 °C)

HUMIDITY:

Operation: 20 - 85% (non-condensing)

Storage: 20 - 85% (non-condensing)

AMBIENT LIGHT IMMUNITY:

Fluorescent: 10,000 lx max

Direct sun: 100,000 lx max

DROP TEST: 5 ft (1.5 m) drop onto concrete surface

VIBRATION TEST: 10 - 100 Hz with 2G for 1 hour

PROTECTION RATE: IP 42

PHYSICAL

DIMENSIONS (WXHXD): 4.45 x 5.20 x 2.20 in (113 x 132 x 56 mm) Ca. 4.3 oz (127 g) (incl. battery)

CASE: ABS, Black or White

REGULATORY AND SAFETY

PRODUCT COMPLIANCE: CE, FCC, VCCI, MFi, RoHS, IEC 62471, IEC 60950-1

ENCLOSED ITEMS

Wrist strap

SOLD SEPARATELY

CHG-3201 CRADLE: charging

OPA-3201: Bluetooth dongle

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