

OPN-2006

Bluetooth Scanner

HIGHLIGHTS

High performance scanning

Bluetooth 3.0

Rechargeable battery

Lightweight design

Programmable



Scale 100%



OPN-2006

Basic product specifications

OPERATION

CPU: 32-bit **O/S:** Proprietary **SOFTWARE:** 4 applications available (also 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: Multi color LED (red/green/orange/blue) **NON-VISUAL:** Buzzer

OPERATING KEYS

ENTRY OPTIONS: 2 keys total, 1 function key, 1 scan key

COMMUNICATION

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

BLUETOOTH: Ver. 3.0, SPP, HID, 1 to 1 connection, master & slave mode, authentication and encryption

POWER

RECHARGEABLE BATTERY: Lithium-Ion Polymer 3.7V 240mAh **OPERATING TIME (BATCH):** 4500 scans (1 scan / 5 sec) **OPERATING TIME (BATCH, IDLE):** 2 months **OPERATING TIME (BLUETOOTH):** 3500 scans (1 scan / 5 sec) **OPERATING TIME (BLUETOOTH, IDLE):** 27 hours **DATA RETENTION TIME:**

Indefinite **CHARGING METHOD:** Enclosed USB cable

BARCODE SCANNER OPTICS

LIGHT SOURCE: 650 nm visible laser diode **SCAN METHOD:** Vibrating mirror

SCAN RATE: 100 scans/sec **READING PITCH ANGLE:** -25 to 0°, 0 to +25°

READING SKEW ANGLE: -40 to -8°, +8 to +40° **READING TILT ANGLE:** -20 to

0°, 0 to +20° **CURVATURE:** R>15 mm (EAN8), R>20 mm (EAN13) **MIN. PCS**

VALUE: 0.45 **DEPTH OF FIELD:** At PCS 0.9 UPC, 70 - 550 mm / 2.76 - 21.65 in (1.0 mm / 39 mil), 50 - 380 mm / 1.97 - 14.96 in (0.5 mm / 20 mil), 50 - 230 mm / 1.97 - 9.06 in (0.25 mm / 10 mil), 50 - 130 mm / 1.97 - 5.12 in (0.15 mm / 6 mil), 60 - 110 mm / 2.36 - 4.33 in (0.127 mm / 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 2of5, Interleaved 2of5, ISBN-ISMN-ISSN, Matrix 2of5, MSI/Plessey-UK/Plessey, S-Code, Telepen, Tri-Optic **POSTAL CODE:** Chinese Post, Korean Postal Authority code **2D CODE:** GS1 stacked

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 -

85% (noncondensing) **HUMIDITY IN STORAGE:** 20 - 85% (non-condensing)

AMBIENT LIGHT IMMUNITY: White 4,000 lx max, Fluorescent 4,000 lx max,

Direct sun 80,000 lx **MAX DROP TEST:** 1.5 m / 5 ft drop onto concrete surface

VIBRATION TEST: 10 - 100 Hz with 2G for 30 min **PROTECTION RATE:** IP 42

PHYSICAL

DIMENSIONS (W x H x D): 32 x 62 x 16 mm / 1.26 x 2.44 x 0.63 in **WEIGHT**

BODY: Ca. 29 g / 1.0 oz (incl. battery) **CASE:** ABS, Black

REGULATORY & SAFETY

PRODUCT COMPLIANCE: CE, FCC, VCCI, RoHS, JIS-C-6802 Class 2, IEC 60825-1 Class 2, FDA CDRH Class II

ENCLOSED ITEMS

USB cable, Neck strap

