

# OPN-4000n

## CCD Data Collector

### HIGHLIGHTS

High speed scanning

Bluetooth 2.1

Ultra compact

Lightweight design



Scale 100%



# OPN-4000n

## Basic product specifications

### OPERATION

**CPU:** 32-bit CISC / 96 MHz **O/S:** Proprietary **RTC:** Supports year, month, day, hour, minute, second (leap year supported)

### MEMORY

**FLASHROM:** 1 MB **SRAM:** 96 kB

### OPERATING INDICATORS

**VISUAL:** 1 LED (red/green), 1 LED (blue) **NON-VISUAL:** Buzzer

### OPERATING KEYS

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

### COMMUNICATION

**USB:** mini USB **BLUETOOTH:** Ver. 2.1, SPP, HID, 1 to 1 connection, master / slave mode, authentication and encryption

### POWER

**RECHARGEABLE BATTERY:** Lithium-Ion Polymer 3.7V 600mAh **OPERATING TIME:** 25 hours (2 scans / 10 sec incl Bluetooth communication) **CHARGING METHOD:** Enclosed USB cable

### BARCODE SCANNER OPTICS

**LIGHT SOURCE:** 1 red LED **SCAN METHOD:** CCD linear sensor, 1500 pixels **READING PITCH ANGLE:** -50 to 0°, 0 to +50° **READING SKEW ANGLE:** -65 to 0°, 0 to +65° **READING TILT ANGLE:** -25 to 0°, 0 to +25° **CURVATURE:** R>20 mm (EAN13) R>15 mm (EAN8) **MIN. RESOLUTION AT PCS 0.9:** 0.1 mm (Code 39) **DEPTH OF FIELD:** At Code 39, 75 - 120 mm / 2.95 - 4.72 in (0.127 mm / 5 mil), 65 - 130 mm / 2.56 - 5.12 in (0.15 mm / 6 mil) 55 - 220 mm / 2.17 - 8.66 in (0.254 mm / 10 mil), 55 - 240 mm / 2.17 - 9.45 in (0.508 mm / 20 mil), 70 - 520 mm / 2.76 - 20.47 oz (1.0 mm / 39 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) (exl. stacked), IATA, Industrial 2of5, Interleaved 2of5, ISBN-ISSM-ISSN, Matrix 2of5, MSI/Plessey, S-Code, Telepen, Tri-Optic, UK/Plessey **POSTAL CODE:** Chinese Post, Korean Postal Authority Code

### DURABILITY

**TEMPERATURE IN OPERATION:** 0 to 50 °C / 32 to 122 °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) **AMBI-ENT LIGHT IMMUNITY:** Fluorescent 10,000 lx max, Direct sun 100,000 lx max **DROP TEST:** 1.2 m / 3.9 ft drop onto concrete surface

### PHYSICAL

**DIMENSIONS (W X H X D):** 36 x 83 x 21.5 mm / 1.42 x 3.27 x 0.85 in **WEIGHT BODY:** Ca. 53 g / 1.87 oz (incl. battery) **CASE:** ABS, white

### REGULATORY & SAFETY

**PRODUCT COMPLIANCE:** CE, FCC, VCCI, RoHS, IEC62471-1, EN60950-1, IEC60950-1, EN55022, EN 55022, EN 301 489-1 V1.9.2, EN 301 489-1 V2.1.1, EN 300 328 V1.7.1

### ENCLOSED ITEMS

USB cable, Neck strap

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