

# OPN2001

Pocket memory scanner



### + Related products



#### OPN2002

- Data Collector
- Pocket memory scanner
- USB, Bluetooth



#### OPL9725

- Data Collector
- Barcode laser scanner
- IrDA
- 1 key operation



#### DCL1530

- Data Collector
- Barcode laser scanner
- USB, IrDA
- Dry cell battery

### Operation

- CPU: ARM7 32-bit
- O/S: Proprietary
- RTC: Supports year, month, day, hour, minute, second (leap year supported)

### Memory

- FlashROM: 512 kB (Data storage >15,000 barcodes + time stamp)
- RAM: 64 kB

### Operating indicators

- Visual: 1 LEDbar (red/green/orange)
- Non-visual: Buzzer

### Operating keys

- Entry options: 2 keys total,  
1 clear key,  
1 scan key

### Communication

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

### Power

- Rechargeable battery: Lithium-Ion 3.7V 150mAh
- Operating time (active): 3,000 scans (1 scan / 5 sec)
- Operating time (idle): > 1 year
- Charging method: Enclosed USB cable
- Battery charging time: Ca 2.5 hours

### Barcode scanner Optics

- Light source: 650 nm visible laser diode
- Scan method: Vibrating mirror
- Scan rate: 100 scans/sec
- Reading pitch angle: -30 to 0°, 0 to +30°
- Reading skew angle: -50 to -8°, +8 to +50°
- 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  
60 - 570 mm / 2.36 - 22.44 in (1.0 mm / 39 mil),  
40 - 360 mm / 1.57 - 14.17 in (0.5 mm / 20 mil),  
40 - 220 mm / 1.57 - 8.66 in (0.25 mm / 10 mil),  
40 - 120 mm / 1.57 - 4.72 in (0.15 mm / 6 mil),  
50 - 100 mm / 1.97 - 3.94 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

### Durability

- Temperature in operation: 0 to 40 °C / 32 to 104 °F
- Temperature in storage: -20 to 60 °C / -4 to 140 °F
- Ambient light immunity: White 3,000 lx max, Fluorescent 3,000 lx max, Direct sun 50,000 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. 28 g / 1 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