

# PX-36

## Mobile Data Collector



### Highlights

- Ideal solution for asset management, inventory control and mobile sales automation
- Integrated 2D CMOS Imager with fast decode speed of 60 frames per second (FPS)
- Rapidly scans and decodes a wide variety of 1D or 2D barcodes
- Wireless Bluetooth 4.0 (HID or SPP) transmission of data to a host
- Data can also be transferred via USB and RS232 through the various communication/charging cradles that are sold separately
- 18-key keypad and monochrome 112x64 pixel LCD screen with backlight
- Memory: 512KB of flashROM and 1MB of SRAM
- Compact size and weight: 1.73" x 5.51" x 0.98" (WxLxD), 4.1 ounces
- Rechargeable Lithium-Ion, 1880 mAh battery
- Rugged: IP54 rating against dust and moisture, survives 5 foot drops to concrete
- Programmable—free Opticon SDK enables solution providers to create customized scanning solutions
- Two year warranty

# PX-36

## Product Specifications

### OPERATION

**CPU:** 32-bit

**OS:** Proprietary

**SOFTWARE:** Programmable in C-language. Software development kit including ANSI C cross compiler available for free.

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

### MEMORY

**FLASHROM:** 512 KB

**SRAM:** 1MB

### DISPLAY

**TYPE:** Graphic LCD with backlight

**SIZE:** 112 x 64 pixels

### OPERATING INDICATORS

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

**AUDIBLE:** Buzzer

### OPERATING KEYS

**ENTRY OPTIONS:** 18 keys total, 12 key (alpha)numeric keypad, 2 function keys, 3 control keys, 1 scan key

### COMMUNICATION

**IRDA:** Version 1.2, baudrate 2400 bps - 115.2 kbps

**BLUETOOTH:** Version 4.0, class 2, SPP and HID

### POWER

**RECHARGEABLE BATTERY:** Lithium-Ion 3.7V 1880mAh

**BACKUP BATTERY:** Rechargeable manganese silicon lithium battery 3V/3mAh

**OPERATING TIME:** Ca. 10 hours (1 scan / 5 sec excl. connection), Recharging time: ca. 7 hours

**DATA RETENTION TIME:** Ca. 72 hours

**CHARGING METHOD:** Separate cradle CRD972x series

### 2D IMAGER OPTICS

**LIGHT SOURCE:** Green aiming LED, 2 illumination red LEDs

**SCAN METHOD:** CMOS area sensor, 752 x 480 pixels

**SCAN RATE:** up to 60 fps

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

**READING SKEW ANGLE:** -50 to 0° / 0 to +50°

**READING TILT ANGLE:** -15 to 0°, 0 to +15°

**CURVATURE:** R>20 mm

**MINIMUM RESOLUTION AT PCS 0.9:** 0.2 mm

**PCS VALUE:** 0.45

**MOTION TOLERANCE:** 2m/s

**DEPTH OF FIELD AT PCS 0.9 CODE 39:**

39 mil (1.0 mm) 2.36 - 11.81 in (60 - 300 m)

20 mil (0.5 mm) 1.38 - 8.27 in (35 - 210 mm)

10 mil (0.25 mm) 1.38 - 4.72 in (35 - 120 mm)

6 mil (0.15 mm) 1.38 - 2.76 in (35 - 70 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, Matrix 2of5, MSI/Plessey, S-Code, Telepen, Tri-Optic, UK/Plessey, ISBN-ISSN

**BARCODE (2D):** Composite Codes, MicroPDF417, PDF417, Datamatrix, Codablock F, QR Code, MicroQR Code, MaxiCode, Aztec Code, Chinese-sensible code, Netherlands KIX, UK Postal, Australian Postal

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

### DURABILITY

#### TEMPERATURE

Operation: 32 to 122 °F (0 to 50 °C)

Storage: -4 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

**PROTECTION RATE:** IP 54

### PHYSICAL

**DIMENSIONS (W X H X D):** 1.73 x 5.51 x 0.98 in (44 x 140 x 25 mm)

**WEIGHT BODY:** Ca. 4.1 oz (115 g) (excl. battery)

**CASE:** ABS, Black

### REGULATORY AND SAFETY

**PRODUCT COMPLIANCE:** CE, FCC, RoHS, IEC 62471

### ENCLOSED ITEMS

Hand strap

### SOLD SEPARATELY

**CRD-9723RU CRADLE:** Single-slot communication/charging, USB and RS232

**CRD-9723RU1 CRADLE:** 5-slot, 1x communication, 5x charging, USB and RS232

**CRD-9723RU5 CRADLE:** 5-slot, 5x communication, 5x charging, USB, RS232 and RS485

**NYLON CASES:** With either a swivel clip or fixed clip

**REPLACEMENT BATTERY**

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