

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

