PX-100, 1D barcode scanner for mobile phones

Opticon PX-100 is a miniature scanner that can connect to your mobile phone, or tablet running on Android (version 4.4.4 - 8.1). Despite the fact that their properties does not replace full-featured terminals designed for demanding applications, is perfectly suited for situations where there is no need protection against water and shocks. PX100 scenner is suitable for demanding applications such as inventory at small stores or record the movement of goods in the companies, but the list of possibilities is much broader.

The scanner plugs into the 3.5 mm slot for headphones, reading 1D barcodes at speeds up to 300 scans per second and can read from and LCD screens. Charges for about 3 hours using a Micro USB cable and can last up to 60 hours in stand-by mode or 500 code reading.

Key features readers Opticon PX-100:

- CCD scanner 1D barcodes
- suitable for mobile phones and tablets
- user-friendly controls
- reading speed up to 300 scan/sec
- suitable inexpensive environment
- can read from LCD screens
- SDK is available for Android

Android application is available for download on the Google Play Store:

Virtual Keyboard:
https://play.google.com/store/apps/details?id=jp.co.opto.px100.opnime

Application Terminal:
https://play.google.com/store/apps/details?id=jp.co.opto.opn.opnterm3

Pairing PX-100 with mobile phone:

YOUTUBE='eNoGudFoRX0'

Pairing PX-100 with tablet:

YOUTUBE='PtT-GEbFjVY'

Technical Description

Functionality & Operation

1D Barcode Symbologies	All standard one-dimension barcodes

Optical

Depth of scan field	60-520 mm
Curvature	R>15 mm (eAn8), R>20 mm (eAn13)
Maximal pitch angle	25°
Maximal skew angle	65°
Scanning rate	300scan/s
Bar code scanner	CCD

Electrical

Main battery pack	Li-polymer battery 150 mAh
Power Source	4.5 ~ 5.5VDC

Mechanical

Weight	18g
Color	white
Body housing	ABS plastic
Dimensions	Width: 40mm, Height: 17.5mm Length: 30mm

Environment

Vibrations resistance	10-100 Hz with 2G for 1h.
Shock resistance	drop from 1,5 m onto concrete surface
Maximal ambient light	10000lux
Operating temperature	0 to 45°C
Storage temperature	-20 to 60°C
Operating humidity (non-condensing)	20 to 85%
Storage humidity (non-condensing)	20 to 85%

Others

Warranty	1 year
Certifications	CE, FCC, VCCI, RoHS, IEC 62471 Exempt, EN 55022