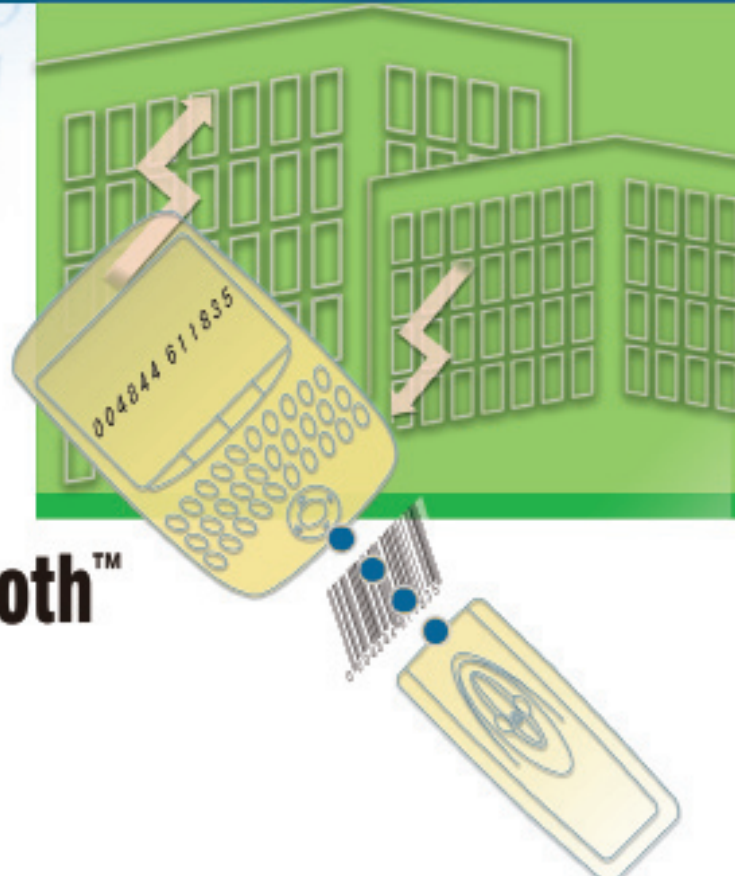


1D LASER

OPL 2724

Wireless barcode scanner



The OPL 2724 is a pocket-sized laser barcode scanner with a Bluetooth interface. It is the ideal tool for data collection when running mobile applications on Smartphones, PDAs or other mobile computing devices.

Product Features

Bluetooth interface

The use of the widely available and reliable Bluetooth wireless communication protocol allows the scanned data to be instantly transmitted to any mobile device with Bluetooth capability, thus allowing real-time data processing on a wide range of Bluetooth-enabled devices.

Designed for Mobility

The compact size and light weight of the OPL 2724 (4 cm width, 10 cm length, 50 grams) creates an ideal tool for mobile operations. To ensure continuous uptime, this scanner is powered by standard LR-3 (AAA) batteries.

One button operation

Operating the OPL 2724 is very straight-forward – scan a barcode and it is immediately sent to the connected Bluetooth device. This simple method allows for real-time data collection with minimal training and leaves end-users to focus on the business.

Onboard Data Backup

Scanned data is stored onboard the OPL 2724 in case the Bluetooth receiver moves out of range or is temporarily down, thus preventing data loss as well as time lost trying to retrace steps. Doing tasks once is the purpose of this tool and the OPL 2724 enables users to do just that.

Cabled

Wireless

Stationary

OEM

OPTICON
always scanning for new ID's

Specifications

OPL 2724 Wireless barcode scanner

Electrical specifications

Main dry cell battery: 2 x AAA / LR3

Main dry cell battery operating time: ca. 30 days (100 scan / 1 day), ca. 48 hours (1 scan / 5 sec.)

Main battery condition: Operation at normal temperature. Connect Bluetooth only when transmitting data.

Optical specifications

Light source: 650 nm visible laser diode

Scan rate: 100 scans/sec

Reading pitch angle: -25 to 0°, 0 to +25°

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. resolution at PCS 0.9: 0.127 mm / 5 mil

Min. PCS value: 0.45

Depth of field: at PCS 0.9 Code 39

70 - 185 mm / 2.76 - 7.28 in (res. 1.0 mm / 39 mil),

50 - 160 mm / 1.97 - 6.30 in (res. 0.5 mm / 20 mil),

50 - 120 mm / 1.97 - 4.72 in (res. 0.25 mm / 10 mil),

50 - 70 mm / 1.97 - 2.76 in (res. 0.15 mm / 6 mil)

Communication specifications

Interface Bluetooth: Ver. 1.2

Output power level: Class 2

Frequency: 2.4 GHz

Profile: GAP, SPP

Operation range: 10 m

Connection mode: 1 to 1

Operation mode: master, slave

Low power mode: park, sniff, hold

Security mode: authentication with encryption

Identification

Supported barcode symbologies (1D): JAN/UPC/EAN (WPC) incl. add on, Chinese Post, Codabar/NW-7, Code 11, Code 39, Code 93, Code 128, IATA, Industrial 2of5, Interleaved 2of5, ISBN-ISMN-ISSN, Korean Postal Authority code, Matrix 2of5, MSI/Plessey-UK/Plessey, RSS, S-Code, Telepen, Tri-Optic, Composite codes

Supported 2D code symbologies: MicroPDF417, PDF417

Functionality

Trigger mode: manual

Memory FlashROM: 256 kB

Memory RAM: 32 kB SRAM

Microprocessor: 16-bit CISC CPU

Environmental specifications

Temperature in operation: -5 to 50 °C / 23 to 122 °F

Temperature in storage: -10 to 60 °C / 14 to 140 °F

Humidity in operation: 30 - 80 % (non-condensing)

Humidity in storage: 20 - 90 % (non-condensing)

Ambient white light rejection: 3,000 lx max.

Ambient direct sun light rejection: 50,000 lx max.

Ambient incandescent light rejection: 3,000 lx max.

Shock drop test: 1.5 m / 5 ft drop onto concrete surface

Protection (dust and moisture, IEC529): IP X2

Physical specifications

Dimensions: 96 x 40 x 22 mm / 3.78 x 1.57 x 0.86 in

Weight body: Ca. 50 g / 1.8 oz

Regulatory

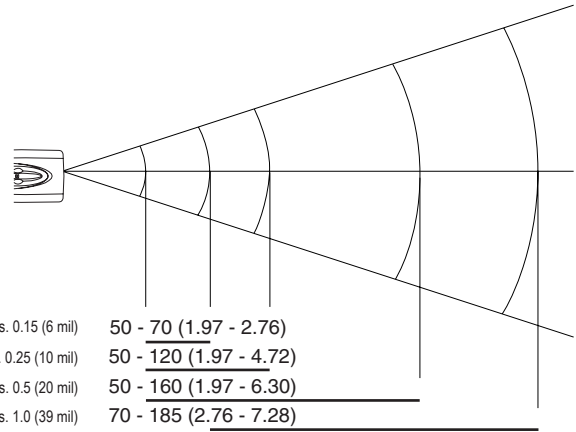
Laser safety class: JIS-C-6802 Class 1, IEC 60825-1 Class 1, FDA CDRH Class I

EMC / Product compliance: CE, FCC, VCCI, RoHS

R&TTE: EN300 328, EN307 489

Depth of field

Unit: mm (in)



Dimensions

unit: mm (in)

