

OPI-4002

Concept

A newly designed cordless scanner which reads 1D and 2D symbologies. Its wireless communication provides wider choices of installation layout to users.



Product Features

Wireless Communication Standard IEEE.802.15.4

Succeeded in expanding this scanner's operation range by stretching its communication distance and decreasing its power consumption.



Communication with USB Cordless Communication Adapter

One adapter communicates with one scanner. This scanner offers wider choices of host PC installation and its operation range is wide. The Interface between an adapter and the host PC is alike to a USB keyboard. Therefore, it does not require additional installation of a driver.

Realized Smooth Scanning of Major 1D and 2D Symbologies

Realized smooth scanning of 1D symbologies (JAN, EAN, Code-39, EAN128 etc...) and 2D symbologies (QR, PDF 417, Data Matrix etc...) by adopting a newly developed scan engine.



OPI-4002 Specifications

Electrical Specifications

Main Battery	Lithium-ion Secondary Battery
Operating Time	30 hours (1 scan / second)
Charging Method	Charge main body with cradle or AC adapter
Charging Time	3 hours (For full charge)

Optical specifications

Optical Scheme	CMOS Area Sensor
Light Source	4 red LEDs (630 nm)
Aiming Light Source	4 green LEDs (527 nm)
View Angle	Horizontal: 47, Vertical: 37.5 (deg.)

Supported Linear (1D) Symbologies

EAN, JAN, UPC-A, UPC-E, Industrial 2 of 5,
IATA, Interleaved 2 of 5, NW-7(CODABAR), Code-39,
Code-93, Code-128, MSI/Plessey, RSS Code

Supported 2D Symbologies

PDF417, Micro PDF417, QR Code, Micro QR
Data Matrix (ECC 0-140/ECC200), Maxi Code (mode 0-5)
Aztec Code, Composite Code

Cordless Communication Specifications

Wireless Specifications	IEEE.802.15.4
Modulation Method	DSSS Method
Output Voltage	0dBm or less
Connectivity	USB(HID)Dongle 1 : Scanner 1
Communication Distance	Approx. 30 m
Security	Encryption

Environmental Specifications

Operating Temperature	0 - 40 degrees C 32 - 104 F
Storage Temperature	-20 - 60 degrees C - 4 - 140 F
Operating Humidity	5-95%RH (non condensing)
Storage Humidity	5-95%RH (non condensing)
Ambient Light Immunity	Fluorescent Light: 10,000 lx max. Sun Light: 100,000 lx max.
Dust- and Drip-Proof	IP-54
Shock Drop Test	1.5 m (Drop onto concrete surface)

Physical Specifications

Weight	150 g 0.33 pounds
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Dimensions

59/45(W) x 164(L) x 43/32(H) mm
2.32/1.77(W) x 6.45(L) x 1.69/1.26(H) inches

Packaged Items

Communication dongle and AC adapter (for scanner and cradle)
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Accessories (Sold separately)

Dedicated Cradle	CHG-4001
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* This product is compliant with RoHS.

All figures and values stated herein are measured with our original standards. Please refer to specifications for guaranteed values.

All statements, figures and values stated herein are subject to change without prior notification.



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OPTICON
always scanning for new ID's