

# BD-9541BT ESD

Bluetooth 2D Imager ESD Scanner

Economical

Excellent Performance

Rugged Durability

Precision



BD-9541BT ESD delivers aggressive scan performance on linear barcodes and area imaging codes. It's ergonomic design and available with USB-KB / USB-COM / RS-232C interface.

The advanced imager reads 1D and 2d barcodes displayed on a screen or printed on a label faster and farther than other standard range scanners.

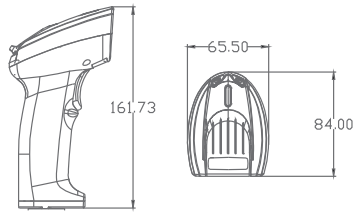
BD-9541BT ESD is additionally designed to satisfy the stringent requirements of cleanrooms and static-safe manufacturing environments.

It's integrated BT 4.2 module which can connect with device directly or transmit data via cradle. The designed cradle is a battery charger, a holder and the data receiver.

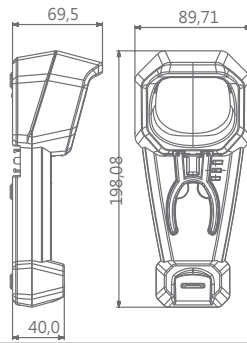
# BD-9541BT ESD

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## Dimensions



Unit: mm



## Typical Performance

Narrow Width	Depth of Field	
Code 39	5 mil	5 cm – 23 cm
EAN 13	13 mil	3 cm – 48 cm
PDF417	6.67 mil	5 cm – 19 cm
QR Code	20 mil	2 cm – 34 cm
Data Matrix	10 mil	6.3 cm – 20.5 cm
Code 128	5 mil	6 cm – 21 cm

Resolution: 1D 5 mil, 2D 6.67 mil  
Performance may be impacted by bar code quality and environmental conditions

## General

Cradle Interface	USB-KB / USB-COM / RS-232C
SE-4107 2D ENGINE	All UPC/EAN/JAN, Code 39, Code 39 full ASCII, Code 32, Phamacode, Code 128, CODABAR, Interleaved 2 of 5, Discrete 2 of 5, Matrix 2 of 5, MSI, Code 11, Code 93, GS1 DataBAR Composite
Barcodes supported (1D)	
Barcodes supported (2D)	PDF 417, Micro PDF 417, DataMatrix, QR Code, Micro QR Code, Aztec, Maxicode, Postal Code

## Communication

RF Standard	BT 4.2
Working Distance	80M (Open environment)

## Optical

Sensor Resolution	1280 X 960 pixels, rolling shutter
Light Source	Aiming LED: Green LED / Illumination: 1 warm white LED
Resolution	5 mil (Code 39), 6.67 mil (PDF417)
Depth of Field	4cm - 49cm (EAN13 13mil)
Field of View	Horizontal: 44.5° , Vertical:33.5°
PCS	30%
Indicator	Beeper, LED, Vibration

## Electrical

Operating Temperature	0°C to 50°C (32°C to 122°F)
Storage Temperature	-20°C to 70°C (-4°C to 158°F)
Operating Humidity	10% - 95% RH (Non-condensing)
Storage Humidity	10% - 85% RH (Non-condensing)
Drop	1.5m drops
Light Levels	100,000 lux

## Physical

Weight	190g (w/o cradle)
Dimensions	82.53mm (L) x 66.4mm (W) x 162.08mm (H)
Housing Material	ABS ESD plastic Withstands ESD 10 <sup>9</sup> ohms per square
Warranty	1 year
Certificate	FCC
Sealing	IP 54

## Battery

Battery Type	lithiumion battery : Panasonic18650 2550mAh
Charge	By USB power retrieving cradle charge
Time of Charge	About 5 hours by USB power retrieving cable

V1-220600 This information is subject to change without prior notice.