

HANDHELD SCANNERS

Z-3190BT

Wireless Gun Type Handheld CCD Scanner

Z-3190BT has wireless connection ability at up to 100M work range. It is able to communicate to devices like laptops and barcode printers, eliminating hazardous cables and providing walk-around freedom. This highly reliable scanner is ideal for daily retail industry, office environment as well as industrial sectors, the ultimate invention for users requiring competence, durability, and convenience.

- Proprietary Ultrascan decoding technology
- 32 bit micro processor unit
- GS1 DataBar decoding capability
- Strong gun type design
- Smart battery charging design
- Flexible communication options



Device on optional cradle as Combo 3



Delivery Combos



Combo 1

Device + Mini USB Cable

- Charging directly from host
- Host must embedded with a Bluetooth module for communication



Combo 2

Device + Mini USB Cable + Adapter

- Charging directly from host
- Charging from wall plug using adapter
- Host must embedded with a Bluetooth module for communication



Combo 3 (Recommended Best-Buy!)

Device + Cradle + Interface Cable + Mini USB Cable + Adapter

- Complete set that fulfills charging and communicating requirement, ready to use set.

OPERATIONAL	
Light Source	617 nm visible red LED
Optical System	Linear CCD array
Image Sensor	2500 pixels CCD
Depth of Field	20 – 320 mm (UPC/EAN 100%, PCS=90%)
Scan Angle	42°
Reading Angle	Pitch: ±75°; Skew: ±60°; Roll: ±25°
Scan Rate	330 scans per second
Min. Bar Width	0.07 mm (3mil) (Code 39, PCS=90%)
Print Contrast	Min. 20% @ UPC/EAN 100%
Reading Indicator	Beeper and LED; optional vibrator
Programmable Operation	Beeper tone & volume
PHYSICAL	
Dimensions	147 × 62 × 114.5 mm (device only); 176.4 × 101.6 × 133.6 mm (with cradle)
Weight	200 g (with battery); 340 g (with cradle)
Accessory	Standard charging & communication cradle
POWER	
Battery	3.7V, 2500 mAh, Li-ion battery
Recharge Time	Approximately 4.5 hours via cradle; 6 hours via USB cable
Numbers of Scans	Over 150,000 scans at 1 scan per second (per full charge)
Battery Life	40 hours per full charge
RADIO COMMUNICATION	
Frequency	2.4–2.48 GHz (ISM brand)
Radio Interface	Cradle host; SPP; HID
Working Range	Up to 100M / 75M with communication cradle (depends on operating environment)
REGULATORY	
EMC	CE & FCC DOC compliance, VCCI, BSMI
Safety	IEC 60825-1 Class 1 LED
Radio	FCC Part 15C; CE EN 300 328; ARIB STD-T66 (Japan); NCC (Taiwan)
ENVIRONMENTAL	
Operating Temperature	0°C – 50°C (32°F – 122°F)
Storage Temperature	-20°C – 60°C (-4°F – 140°F)
Humidity	5% – 95% RH (non-condensing)
Light Levels	0-100,000 Lux (fluorescence)
Drop Durability	Designed to withstand 1.5M drops
Environmental Sealing	IP41
DECODING CAPABILITY	
1D Barcodes	UPC/EAN/JAN, ISBN/ISSN, Code 39, Codabar, Code 128, Code 93, Interleave 2 of 5, MSI/Plessey, China Postal Code, Code 32, Industrial 2 of 5, Standard 2 of 5, Matrix 2 of 5, Code 11, GS1 DataBar, Telepen
2D Barcodes	PDF 417 (Optional)

Cradle Specification

PHYSICAL	
Dimensions	112.4 × 101.6 × 102.3 mm
Weight	140 g
INTERFACE	
System Interfaces	Keyboard, RS-232, HID USB, USB Virtual COM, wand, OPOS, JPOS
Interface Cable	Field replaceable, standard 3M straight
POWER	
Input Voltage	DC 5V ± 10%
Operating Current	Charging: 700 mA (external power); Non-charging: 70 mA
RADIO COMMUNICATION	
Frequency	2.4–2.48 GHz (ISM brand)
ENVIRONMENTAL	
Operating Temperature	0°C – 50°C (32°F – 122°F)
Storage Temperature	-20°C – 60°C (-4°F – 140°F)
Humidity	5% – 95% RH (non-condensing)
Drop Durability	Designed to withstand 1.5M drops