

# HANDHELD SCANNER

- Product availability and specifications depend on territory market strategy; all are subjects to change without prior notice.
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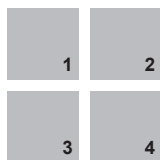
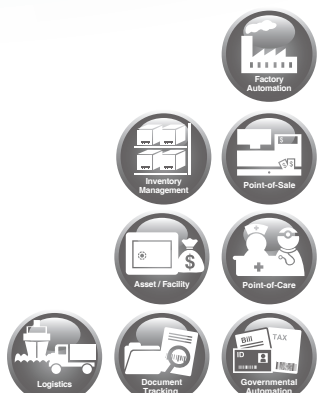


## Z-3190BT

### Wireless Gun Type Handheld 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
- Flexible communication options
- Wireless freedom at 100M/75M working range
- Rugged gun type design for tough working conditions and rough operations
- Smart charging to prolong battery life



1. Wireless cradle for easy connection
2. Ergonomic gun-type handle & large trigger
3. Clear LED indicators
4. Synthetic rubber handle for max. protection



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### OPERATIONAL

Light Source	617 nm visible red LED
Optical System	Linear CCD array
Image Sensor	2500 pixels CCD
Depth of Field	4 mil: 30 – 90 mm
	5 mil: 30 – 105 mm
	7.5 mil: 10 – 180 mm
	10 mil: 10 – 220 mm
	13 mil: 10 – 280 mm
	20 mil: 10 – 360 mm
Scan Angle	42°
Pitch/Roll/Skew Angle	±75° / ±25° / ±60°
Scan Rate	330 scans per second
Print Contrast	Min. 20% @ UPC/EAN 100%
Indicator	Beeper and LED
Programmable Operation	Beeper tone & volume
System Interface	Keyboard, RS-232, HID USB, USB Virtual COM, wand, OPOS, JPOS

### PHYSICAL

Dimension	147.0 × 62.0 × 114.5 mm (device only); 176.4 × 101.6 × 133.6 mm (with cradle)
Weight	210 g (with battery); 500 g (with cradle)
Interface Cable	Field replaceable, standard 3M straight

### POWER

Input Voltage	5 VDC ±10%
Battery	3.7V, 2500 mAH, Li-ion battery
Operating Current	Charging: 700 mA (external power); Non-charging: 70 mA
Recharging Time	Approximately 4.5 hours via cradle; 6 hours via USB cable
Number of Scan	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 band)
Radio Interface	Cradle host; SPP master; HID; slave
Working Range	Up to 100M / 75M with communication cradle (depends on operating environment)

### REGULATORY

EMC	CE & FCC DOC compliance, VCCI, BSMI
Safety	IEC 62471 Exempt
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 Level	0 – 100,000 Lux (fluorescence)
Drop Durability	Designed to withstand 1.2M drops
Environmental Sealing	IP41

### DECODING CAPABILITY

1D Barcode	UPC/EAN/JAN, UPC-A & UPC-E, EAN-8 & EAN-13, JAN-8 & JAN-13, ISBN/ISSN, Code 39, Codabar, Code 128 & EAN 128, Code 93, ITF 2 of 5, IATA Code, MSI, China Postal Code, Code 32, Industrial 2 of 5, Standard 2 of 5, JAP, Code 11, GS1 DataBar, GS1 DataBar Limited, GS1 DataBar Expanded, Telepen
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### Delivery Combos:

**Combo 1**  
Device + Mini USB Cable  
• Charging directly from host  
• Host must be 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 be 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