

# HANDHELD SCANNER

- Product availability and specifications depend on territory market strategy; all are subjects to change without prior notice.
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## Z-3191BT

### Wireless Gun Type Handheld Laser Scanner

Of rugged form factor and supreme scanning performance, Z-3191BT is able to work at a range up to 100M. Its gun type design and large trigger allow users to aim at target easily; the ergonomic outline creates comfort in holding even for long hour. It has a highly reliable exterior that can survive extremes of temperature and shock and vibration; they also include ZEBEX' proprietary decoding technology and firmware within the system, which behave reliably and predictably in all situations.

- Proprietary **Ultrascan** decoding technology
- 32 bit micro processor unit
- GS1 DataBar decoding capability
- Strong gun type design
- Wireless freedom at 100M/75M working range
- Smart charging to prolong battery life
- Flashing LED indication and programmable beeper



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



#### OPERATIONAL

Light Source	650 nm visible laser diode (VLD)
Optical System	Linear laser
Image Sensor	Photo diode
Depth of Field	4 mil: 30 – 90 mm
	5 mil: 10 – 100 mm
	7.5 mil: 10 – 250 mm
	10 mil: 10 – 320 mm
	13 mil: 20 – 400 mm
20 mil: 20 – 630 mm	
Scan Angle	47°
Pitch/Roll/Skew Angle	±65° / ±35° / ±50°
Scan Rate	100 scans per second
Print Contrast	Min. 25% @ UPC/EAN 100%
Indicator	Beeper and LED; optional vibrator
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	CDRH Class IIa; IEC 60825-1: Class 2
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:

<b>Combo 1</b> <b>Device + Mini USB Cable</b> • Charging directly from host • Host must embedded with a Bluetooth module for communication	<b>Combo 2</b> <b>Device + Mini USB Cable + Adapter</b> • Charging directly from host • Charging from wall plug using adapter • Host must embedded with a Bluetooth module for communication	<b>Combo 3 (Recommended Best-Buy!)</b> <b>Device + Cradle + Interface Cable + Mini USB Cable + Adapter</b> • Complete set that fulfills charging and communicating requirement, ready to use set
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