HANDHELD SCANNER
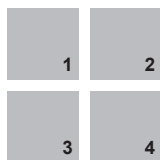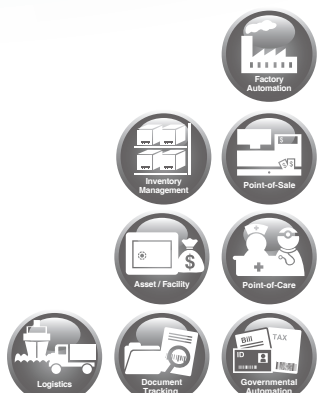
• Product availability and specifications depend on territory market strategy; all are subjects to change without prior notice.
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Z-3191BT
Wireless Gun Type Handheld Laser Scanner

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
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

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

LASER SCAN | ULTRASCAN | 100 SCAN RATE | WIRELESS | 1.2M DROP TEST

ZEBEX

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