

# Zapper Tornado BT HC

## A High performance scanner for hygiene-sensitive applications



Society is becoming more germ-conscious than ever. There is a trend to incorporate anti-microbial materials in some environments to minimize the risk of spreading infectious micro-organisms and other bacteria. We have listened and understood the market demand for barcode scanners that need to be used where infection control is critical. The newly developed antimicrobial **Zapper Tornado BT HC** Bluetooth scanner is built with a disinfectant-ready housing.

### Incorporates antimicrobial additives

The housing of the antimicrobial **Zapper Tornado BT HC** scanner and cradle are incorporated with an inorganic silver antimicrobial agent which will not be worn off during its lifetime.

### Disinfectant-Ready housing

The antimicrobial Zapper Tornado Bluetooth scanner and cradle are designed with a disinfectant-ready housing, which allows the plastic to be cleaned or wiped-down with commonly-used cleaning solutions in healthcare environments without harming the housing or the sensitive scanning components inside.

### Solution for hygiene-sensitive environments

The antimicrobial Zapper Tornado BT HC scanner is perfect for a wide range of specific applications where hygiene environment is paramount and high-level safety is vital, such as healthcare, pharmaceutical, cosmetic, food industries, medical laboratories and other sterile environments.

- Disinfectant-ready enclosure incorporating antimicrobial additives
- Complies with the JIS Z2801: 2000 standard
- Ruggedized over-mold design to withstand multiple drops to concrete from 2 metres
- Bluetooth 4.0 wireless technology with up to 100m communication range
- Plug-and-play cordless migration by using the smart cradle
- Supports multiple connections – up to 7 scanners in PICO mode
- Supports both HID and SPP profiles
- Works with Apple iOS and Android devices

SPECIFICATIONS	
<b>ELECTRICAL</b>	
Battery	3.7V, 2200mAh Li-Ion Rechargeable Battery
Battery Charge Time	Approximately 4-5 hours per full charge
Battery Warranty	3 Months
Scans Per Full Charge	More than 45,000 scans and transmissions
Voltage and Current (Scanner and Cradle)	Voltage Current (Charging/Non Charging) 5 ± 10% VDC Max. 680 mA / 85 Ma with external power
<b>OPERATIONAL</b>	
Optical System	High performance Linear Imaging Engine
Print Contrast	20% minimum reflective difference
Minimum Resolution	3 mil (Code 39, PCS 0.9) typical
Reading Range	Up to 60cm on 100% UPC/EAN symbols Up to 85cm on 20 mil Code 39
Light Source	630nm visible red LED
Scan Rate	Dynamic scanning rate up to 500 scans per second
Reading Direction	Bi-directional (forward and backward)
Pitch/Skew/Tilt	Pitch: ± 65°; Skew: ± 65°, Tilt ± 55°
Operating Modes	Trigger, Presentation
System Interfaces	USB, RS232, KBW
User Interfaces	Blue link indicator and 2-colour status indicator Programmable beeper, Vibrate mode
<b>SYMBOLOGIES</b>	
1D Linear	Code 39, Code 39 Full ASCII, Code 32, Code 39 Trioptic, Code 128, UCC/EAN-128, Codabar, Code 11, Code 93, Standard & Industrial 2 of 5, Interleaved & Matrix 2 of 5, German Postal Code, China Postal Code, IATA, UPC/EAN/JAN, UPC/EAN/JAN with Addendum Telepen, MSI/Plessey & UK/Plessey, GS1 DataBar (formerly RSS)
<b>PHYSICAL</b>	
Dimensions (mm)	97.8 mm (L) x 70.5 mm (W) x 156.2 mm (D)
Weight	230g (battery included)
Colour	Light Grey and Blue
Anti-Microbial Additives	Silver inorganic antimicrobial agent
<b>REGULATORY</b>	
EMC	C-Tick, CE, BSMI, KC, VCCI, NCC, MIC & FCC compliant
Environmental	Compliant with RoHS directive
Safety	LED Eye Safety IEC62471, Exempt Group
<b>ENVIRONMENT</b>	
Operating Temperature	-10°C to 50°C
Storage temperature	-40°C to 70°C
Humidity	5% - 95% RH (non condensing)
Ambient Light Injection	0-100,000 LUX
Shock	Designed to withstand multiple 1.8m drops to concrete
Environmental Sealing	IP41
ESD Protection	Functional after 15kV discharge
Anti-Microbial Standard	JIS Z2801 : 2000
Recommended Cleaning	Gentle dish soap water or alcohol solvent

### Meet the family of Zapper Tornado scanning solutions

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