Zapper Tornado BT 2D HC

Minimise the risk of spreading germs.

Society is more germ-conscious than ever. It's a trend to use devices incorporated anti-microbial materials for some specific environments to minimize the risk of spreading infectious micro-organisms and other bacteria. We have listened and understood our clients' demand for a barcode scanner to work where infection control is critical. The newly developed antimicrobial **Zapper Tornado BT 2D HC** Bluetooth scanner is built with a disinfectant-ready housing. It is loaded with the features needed for outstanding reading performance and mobility in hygiene-sensitive environments.

Incorporates antimicrobial additives

The housings of the antimicrobial **Zapper Tornado BT 2D HC** Bluetooth scanner and cradle are infused with a silver inorganic antimicrobial agent which will not wear off during its lifetime.

Disinfectant-Ready enclosures

The antimicrobial **Zapper Tornado BT 2D HC** 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 **Zapper Tornado BT 2D HC** Bluetooth scanner can serve a wide range of specific applications where hygiene control 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**
- **Ruggedised over-mold design to withstand multiple drops to concrete from 2 metres**
- **Built with the latest Bluetooth v4.0 wireless technology**
- **Up to 100 metres communication range while working with smart cradle (depends on the environment)**
- **Plug-and-play cordless transmission by working with smart cradle**
- **Supports multiple connections – up to 7 scanners in PICO mode**

SPECIFICATIONS

OPERATIONAL	
Light Source	Aiming Pattern: 630nm LED, Illumination: 630nm LED
Scan Pattern	Area Image
Print Contrast	20% minimum reflective difference
Minimum Resolution	4mil Code 39, 7mil DM
Scan Rate	Graphic Format: BMP, JPEG, TIFF, PNG
Reading Range	5 mil (0.13mm) C39 4~15 cm 13 mil (0.33mm) UPC/EAN 3~38 cm 10 mil (0.25mm) DM 3~15.5 cm
Motion Tolerance	Up to 63.5cm per second
Pitch/Skew	Roll: 360º; Pitch: ± 75º; Skew: ± 65º
Operating Modes	Toggle, Trigger, Force, Level, Diagnostic Alternative, Low power, Presentation, Multiple Read
System Interfaces	USB, RS232, KBW
User Interfaces	3 LEDs for good read, power and status indications Programmable beeper, optional vibrate mode
SYMBOLOGIES	
1D Linear Codes	Code 39, Code 39 Full ASCII, Code 32, Code 128, GS1-128, Codabar, Code 11, Code 93, Standard & Industrial 2 of 5, Interleaved & Matrix 2 of 5, IATA, UPC/EAN/JAN, UPC/EAN/JAN with Addendum, Telepen, MSI/Plessey & UK/Plessey, GS1 DataBar, Linear & Linear Stacked
2D Codes	PDF417, Micro PDF417, Codablock F, Code 16K, Code 49, Composite Codes, DataMatrix, MaxiCode, QR Code, Aztec, MicroQR, Han Xin Code
Postal Codes	Australian Post, US Planet, US Postnet, Japan Post Dutch KIX code, Intelligent Mail, British Post
PHYSICAL	
Dimensions (mm)	95.00mm (L) x 70.5mm (W) x 161.7mm (D)
Weight	152g (without cable)
Colour	Light Grey and Blue
Input Voltage	5VDC ± 10%
Current	Operating: Typical 285 mA @5VDC Standby: Typical 160 mA @5VDC
Anti-Microbial Additives	Silver inorganic antimicrobial agent
REGULATORY	
EMC	C-Tick, CE, BSMI, KC, VCCI & FCC compliant
Environmental	Compliant with RoHS directive
Safety	LED Eye Safety IEC62471, Exempt Group
ENVIRONMENT	
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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Specifications subject to change without notice (E&OE) 0320