

Zapper Tornado HC™

Anti-microbial barcode scanner



ASP's new Tornado HC™ incorporates anti-microbial additives to minimize the risk of spreading infectious micro-organisms and other bacteria. This newly developed area-imaging scanner not only provides outstanding reading performance, but also protects your safety under infection control. The Zapper Tornado HC is rugged in design, has outstanding reading performance and versatile features, and is suited to any working environment where hygiene management is paramount.

Outstanding readability

The Zapper Tornado HC delivers cutting-edge Imaging Technology to provide outstanding scanning performance even with worn or difficult to read barcodes. The Zapper Tornado HC reads most 1D barcodes, including GS1 Databar (formerly known as RSS), making it an ideal scanner and a future-proof investment.

Superior reading performance and versatile

The Zapper Tornado HC is designed to meet the needs of a variety of barcode scanning applications. It can be operated as a hand-held using a push-button trigger, or in hands-free presentation mode using the supplied Smart Stand and also has a vibrate mode. The Zapper Tornado HC has superior performance on reading poorly-printed, smudged and damaged barcodes.

Disinfectant-ready casing

The Zapper Tornado HC's scanner casing incorporates a silver inorganic antimicrobial agent which will not wear off during its lifetime. This disinfectant-ready casing allows the plastic to be cleaned or wiped down with commonly-used cleaning solutions without harming the casing or the sensitive scanning components inside.

Solution for hygiene-sensitive environments

The Zapper Tornado HC can serve a wide range of specific applications where hygiene safety is vital, such as healthcare, pharmaceutical, medical laboratories and other similar environments.

- Perfectly suited to healthcare and environment sensitive applications
- Rugged and ergonomic design
- Handheld or hands free scanning, and vibrate mode
- Plug-in-and-play – no drivers required
- Multi interface
- Backed by two year factory warranty*

* one year warranty on cable

SPECIFICATIONS

OPERATIONAL

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	Pitch: ± 65°; Skew: ± 65°
Operating Modes	Toggle, Trigger, Force, Level, Flash, Diagnostic Alternative, Low power, Presentation
System Interfaces	USB, RS232, KBW
User Interfaces	3 LEDs for good read, power and status indications Programmable beeper, Vibrate mode

SYMBOLOGIES

1D Linear Codes	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) Linear
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PHYSICAL

Dimensions (mm)	97.8 mm (L) x 70.5 mm (W) x 156.2 mm (D)
Weight	157g (without cable)
Colour	Light Grey and Blue
Anti-Microbial Additives	Silver inorganic antimicrobial agent
Input Voltage	5VDC ± 10%
Current	Operating: Typical 190 mA @5VDC Standby: Typical 90 mA @5VDC

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



Hands-Free SmartStand



Optional desk holder

Meet the family of Zapper Tornado scanning solutions

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[Zapper Tornado HC](#)
[Zapper Tornado BT 2D](#)

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