

Zapper Tornado BT 2D™

2D cordless scanning for general, Windows® + Apple® + Android® applications

Designed around the innovative FuzzyScan 3.0 Imaging Technology, a powerful computing platform and advanced Bluetooth v4.0 wireless technology, the **Zapper Tornado 2D BT** Bluetooth cordless Area Imaging Scanner delivers superior reading performance, impressive snappy reading and the ultimate freedom of cordless operation. With its outstanding reading performance, superior wireless connectivity, robust enclosure and versatile features, the **Zapper Tornado 2D BT** scanner raises the bar on the exceptional cost-performance for various barcode scanning applications.



Exceptional mobility and flexibility

Powered by Bluetooth v4.0 wireless technology, the **Zapper Tornado BT 2D** Bluetooth 2D scanner provides several radio link modes to communicate with most host devices.

Superior reading performance

The **Zapper Tornado BT 2D** Bluetooth 2D scanner can read most popularly-used linear, 2D bar codes, postal codes omni-directionally.

Versatile functionality and rich features

To fulfill diverse business applications, the **Zapper Tornado BT 2D** is feature-rich, representing the best value in its class.

The **Zapper Tornado 2D BT** is part of ASP's versatile Zapper

- Built with the latest Bluetooth v4.0 wireless technology
- SuperCap™ battery free solution supported
- Up to 100 meters communication coverage while working with smart cradle (depends on the environment)
- Plug-and-play cordless transmission by working with smart cradle
- Works with Bluetooth-enabled, Windows, MAC, and Linux hosts
- Compatible with the most popular iOS and Android devices
- Batch scanning with more than 100,000 EAN-13 scans of storage capability, for simpler stocktake
- Backed by a three year factory warranty*

Meet the family of Zapper Tornado scanning solutions

[Zapper Tornado](#)

[Zapper Tornado BT HC](#)

[Zapper Tornado BT](#)

[Zapper Tornado 2D HC](#)

[Zapper Tornado 2D](#)

[Zapper Tornado BT 2D](#)

[Zapper Tornado HC](#)

[Zapper Tornado BT 2D HC](#)

Specifications

Electrical

Li-Ion Battery	2,550 mAh capacity 3-4 hour charge time over PSU 9-10 hour charge time over USB Scan-ready at 30% power: 3 hr charge over USB	
SuperCap™ Capacitor	750 Farads Less than 50 minutes charge time over over PSU Less than 60 minutes charge time over USB Over 80 minutes of use per full charge Over 4,200 scans per full charge Over 130 scans after one minute charge	
Scans per full Charge	More than 63,000 scans and transmissions	
Voltage & Current (Scanner and Smart Cradle)	Voltage 5 ± 10% VDC	Current (Charging/ Non Charging) Max.750 mA / 175mA with external power

Characteristics

Image Sensor	1120 x 768 Pixels
Print Contrast	18% minimum reflectance difference
Min. Resolution	3.0 mil Code 39 5.0 mil DM
Light Source	Warm white LED
Roll, Pitch, Skew	Roll: 360°; Pitch: ± 75°; Skew: ± 65°
Motion Tolerance	Up to 370 cm/s (145 in/s)
Reading Range	13 mil (0.33mm) UPC/EAN up to 17.1"
Operating Modes	Trigger, Presentation
Configuration Setup	Bar code command. Windows utility
Host Interfaces	USB HID (USB Keyboard) USB VCOM (USB COM port emulator) USB OEM POS Standard Rs232

Symbolologies

1D Linear	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
Postal Codes	Australian Post, US Planet, US Postnet, Japan Post Dutch KIX code, Intelligent Mail, British Post

Physical

Dimension	97.0 mm(L) x 65.0mm (W) x 156.0 mm(D) 3.81 in.(L) x 2.55 in.(W) x 6.14 in(D)
Weight	188g (with Li-Ion Battery) 166g (with SuperCap™)

Regulatory

EMC & Radio	CE,FCC,BSMI,C-Tick,KC,NCC,VCCI,MIC, RCM
Safety	LED Eye Safety IEC62471, Exempt Group
Environmental	Compliant with RoHS III and REACH

Environment

Drop Specifications	Withstand multiple drops from 1.8m (6.0ft) to concrete
Environmental Sealing	IP52
Storage Temperature	-40°C to 70°C (-40°F to 158°F)
Humidity	0% to 95% related humidity, non-condensing
Ambient Light Immunity	0 ~ 106,000 lux
ESD Protection	Functional after 15kV discharge

*excludes cable and rechargeable batteries



ASP MICROCOMPUTERS
14 Business Park Drive, Notting Hill, VIC 3168
T: 03 9578 7600 F: 03 9578 7727 Toll Free 1800 061 642
E: solutions@asp.com.au W: www.asp.com.au

Zapper Tornado HC is a Trademark of ASP Microcomputers
Specifications subject to change without notice (E&OE) 0723

Our Innovation - Your Edge™



Zapper Tornado BT 2D™

SuperCap – Battery-Free Solution

This alternative power source is built on the principles of reliability, cost-effectiveness, and environmental sustainability. The SuperCap Capacitor is ideal for applications requiring a quick charge to fulfill short-to medium-term operations, such as retail, hospitality, healthcare, education and government sectors.

Lower Total Cost of Ownership

With SuperCap, you can significantly reduce replacement costs and potential productivity losses caused by dead batteries. This innovative solution eliminates the need for standard Li-ion batteries, which means that over its lifespan, you would otherwise use more than 25 of them. By opting for this battery-free alternative, you'll be making a smart investment that offers long-term benefits.

Extended Working Time

With a capacity of 750 Farads, each full charge delivers more than 17,500 1D barcode scans. Even under intensive use, this is enough to last you several hours.

Quick Get-Up-And-Go

Out of power? No worries. Even a 1-minute quick charge delivers 700 1D barcode scans. Compared to the standard Li-ion battery, this feature maximizes uptime and allows you to complete short-term scanning operations in a timely fashion.

Eco-Friendly for a Healthier Planet

Thanks to its long lifespan, the SuperCap promotes a cleaner environment by producing significantly less e-waste, while also exemplifying Environmental, Social and Governance [ESG] consciousness and environmental sustainability in the business world.



1 SuperCap

25 Li-ion



750 Farads
More than 4,200 scans



1-Minute



Eco-Friendly



ASP MICROCOMPUTERS
14 Business Park Drive, Notting Hill, VIC 3168
T: 03 9578 7600 F: 03 9578 7727 Toll Free 1800 061 642
E: solutions@asp.com.au W: www.asp.com.au

Zapper Tornado HC is a Trademark of ASP Microcomputers
Specifications subject to change without notice (E&OE) 0723

Our Innovation - Your Edge™

