

# Zapper Tornado™

## Unbeatable Scanning Performance



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

The Zapper Tornado is a compact high-performance hand held barcode scanner suitable for reading barcodes of up to 16cm wide, and with a huge depth of field – up to 48cm for 100% EAN-13 barcodes and 68cm for 20mil Code 39 barcodes.

The Zapper Tornado can be operated as a hand-held using a push-button trigger, or in hands-free presentation mode using the supplied cradle.

To read a barcode in hand-held mode, simply press the trigger and direct the scanner's reading beam over the barcode.

In presentation mode using the cradle, it's even easier – just wave the barcode under the scanner and the beam will automatically turn on and scan the barcode.

In either case, the Zapper Tornado will read the barcode, output the data, flash the green "good read" indicator, and beep to signal a successful read.

The Zapper Tornado offers a lightweight, yet robust construction, is very comfortable to use and offers simplicity in operation.

### SPECIFICATIONS

#### OPERATIONAL

Light Source	630nm visible LED
Optical System	High Performance Linear Imaging Engine
Print Contrast	15% minimum reflective
Minimum Bar Width	3mil (Code 39, PCS 0.9)
Scan Rate	Up to 500 scans per second
Operating Distance	Up to 48cm on 100% UPC/EAN symbols Up to 68cm on 20mil Code 39
Reading Direction	Bi-directional (forward and backward)
Pitch/Skew	± 65° / 65°
Operating Modes	Hand-held or Presentation
Symbology	Reads most 1D and Linear/stacked barcode symbologies, including GS1 Databar
System Interfaces	USB, KBW, RS232
User Interfaces	3 LEDs for power, good read and status indications Programmable beeper and vibrate mode

#### PHYSICAL

Dimensions	97mm x 65mm x 156mm
Weight	125g (without cable)
Colour	Black
Current	Operating: Typical 180 mA @5VDC Standby: Typical 80 mA @5VDC

#### REGULATORY

EMC	CTick, CE, FCC BSMI, KC, VCCI compliant
Environmental	Compliant with RoHS directive
Safety	LED Eye Safety IEC64271 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 1.5m drops to concrete
Environmental Sealing	IP41

- **Perfectly suited to retail and general purpose applications**
- **For libraries, it reads ISBN/SCIS and 13 digit ISBN barcodes**
- **Able to read GS1 Databar**
- **Lightweight, stylish and rugged**
- **Plug-in-and-play – no drivers required**
- **Multi interface**
- **Backed by three year factory warranty\***

\* excludes cable

Meet the family of Zapper Tornado scanning solutions

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[Zapper Tornado HC](#)  
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