

# TORNADO *Series*

# BLITZ

## Thermal Transfer Printers

The **TORNADO** series of printers symbolize performance, value and reliability. The industry standard **ARM**® based architecture, which is the heart of the printer, ensures fast label processing, especially in serialized data printing applications. A robust industrial grade metal construction, which is designed to withstand adverse operating conditions, makes it ideal for heavy-duty industrial printing applications.

**TORNADO** can print high quality bar-codes, images & graphics in various formats, scalable resident fonts & downloadable True Type® fonts in 203 / 300 dpi configurations. They can be used in a wide variety of applications such as, document tracking, inventory management, product, dispatch & compliance labeling, medical records and ticket printing. It can emulate various popular printer command languages and is a drop in replacement for various printers.

A graphical touch screen console provides an intuitive and easy to operate interface for the user to access various configuration parameters of the printer. Certain critical functions can also be restricted / locked using a password with administrator only access. A built-in interpreter function enables connectivity to non PC devices like PLCs & Weighing scales which eliminates the need for a PC or any associated software



- Built on a rugged metal chassis to ensure reliable operation in harsh and demanding environments.
- Faster throughput using CADIP<sup>1</sup> algorithms .
- Intuitive console & error reporting interface for the user.
- User friendly utility to download fonts, images and label formats, in a drag & drop manner.
- Easy Firmware update, printer configuration and diagnostics is possible using a host based GUI.
- One year limited warranty on the printer except the printhead against manufacturing defects.

1. Co-processor Assisted Digital Image Processing (CADIP)

# BLITZ iX200, iX300, iX210, iX310 Specifications

## BLITZ iX200

6 IPS  
203 dpi  
212 mm x 235 mm x 231 mm

## BLITZ iX210

8 IPS  
203 dpi  
212 mm x 235 mm x 275 mm

## BLITZ iX300

5 IPS  
300 dpi  
212 mm x 235 mm x 231 mm

## BLITZ iX310

6 IPS  
300 dpi  
212 mm x 235 mm x 375 mm

Printer Type:	Direct Thermal / Thermal Transfer
Max Print Width:	4.1" (104mm)
Media Width:	0.78"-4.65" (20mm-118mm)
Print Length:	0.5"-30"(12.7mm-762mm)
Bar Code Modulus	5mil to 150 mil (203 dpi) 3.3 mil to 150mil (300dpi)
Media Window:	Clear side-door panel to easily monitor media supply levels
Media Type:	Roll-fed or fan-fold material, die-cut or continuous labels; perforated or continuous tag / ticket stock.
Media Thickness:	.0025"-0.0100" (0.0635mm-0.254mm)
Media Sensing:	Transmissive (Die-cut & Pin-hole) and Reflective (black-mark).
Supply Roll:	4.50" (114mm) for iX200 / iX300 & 6.5" (165mm) for iX210 / iX310.
Ribbons:	1"(25mm) ribbon core, 360m, 4.1" width (max) Inner / Outer coat.
Bar Codes:	Code 3 of 9, UPC-A, UPC-E, Interleaved 2 of 5, Code 128, EAN-8, EAN-13, Codabar, Code 93, Postnet, UPC 2 & 5 digit Addendum, UCC / EAN Code 128, ITF 14, HIBC, PDF417, Datamatrix, QR Code.
Fonts:	Nine alphanumeric fonts from 1.0mm (0.039") to 6mm (0.236"), including OCR-A OCR-B, 1 Smooth scalable font expandable up to 10X. True Type fonts can be downloaded into the Flash memory using a Windows based utility provided along-with.
Font Expansion:	All fonts can be expanded vertically and horizontally up to 9x. Fonts can be printed in four directions: 0°, 90°, 180° and 270°
Graphics Support :	PCX, BMP and IMG file formats.
Print Attributes:	Any font or graphics field can be printed in XOR, Transparent, Opaque and Inverse mode.
Memory:	8MB Flash & 16MB RAM (For iX200 / iX300) 8MB Flash & 32MB RAM (For iX210 / iX310)
Interfaces:	USB and RS 232 @ 115200 Baudrate, Ethernet / Centronics Parallel Port (Optional)
Console:	240 x 320 pixel Resistive Touchscreen Display along with Capsense (non tactile) switches.
Power Sources:	85 - 264 VAC @ 47- 63 Hz
Operating Temperature:	4°C to 46°C (40°F - 114°F)

### Options:

Cutter with Tray:	Maximum thickness 0.254mm (0.01")
Label Present Sensor:	Used for on-demand label dispensing and peel and present applications
External Rewinder:	203mm (8") maximum capacity

This data Sheet is for information purpose only. ID Technologies MAKES NO WARRANTIES, EXPRESSED OR IMPLIED IN THIS SUMMARY. Specifications are subject to change without notice. All trademarks belong to their respective owners.

**ID Technologies**  
*Continuing Innovation...*

Distributed By