

## Industrial Barcode Printers ■ ■ ■



### features at a glance ■ ■ ■

- **Rugged construction** features a gear-driven design and durable die-cast aluminum frame
- **Wide range offering** includes 203, 300, 406, and 600 dpi resolution models
- **Multi-language menu** available in English, Spanish, German, Italian, and French
- **LCD display** enables user-friendly printer configuration
- **Field installable options** such as cutters, peel & present sensors, and thermal transfer option can be added easily to upgrade a base printer
- **Time-saving media loading features** include color-coded cues, embossed media loading diagrams, and collapsible ribbon hub makes loading and unloading a breeze
- **Wide access to the printhead** makes the I-Class very easy to maintain; both printhead and platen roller can be changed in less than 5 minutes
- **Connectivity:** I-Class printers come standard with bi-directional parallel and high speed serial interfaces for easy integration into any system
- **Software:** The I-Class utilizes widely used DPL and supports MCL designer and 123 Print. With the PL-Z and PL-I printer language emulations, users can easily integrate the printer to existing solutions

The award winning I-Class is a comprehensive, cost-effective industrial printer, offering reliability and flexibility. With its revolutionary modular design, most I-Class options are field installable. I-Class printers are ideal for shipping & receiving, product identification, pharmacy labeling, and asset tracking.

It's all about value, performance and speed. From desktop to industrial settings, the I-Class offers excellent design characteristics, engineering superiority and unprecedented performance capabilities to meet your printing demands. Engineered for quality, the foundation of the printer is a precision-crafted die-cast aluminum frame. This durable, yet lightweight, design increases the printer's longevity and reliability. Easy-to-use features are standard on the I-Class such as color-coded cues, embossed media loading diagrams, and wide access to the printhead. The unique collapsible ribbon hub makes loading and unloading the media a breeze. I-Class is offered in a wide range of resolutions to cover many applications and has become the standard barcode printer in the industry.

### popular applications ■ ■ ■



#### Manufacturing

- Asset Tracking
- Finished Goods Marking
- Agency Labels
- Case Labels



#### Transportation and Logistics

- Cross Docking
- Sorting Centers
- Shipping Labels
- Pallet Tracking



#### Food and Beverage

- High Resolution Labeling
- Expiration Dates and Time Stamps
- Product Identification
- Shipping Labels



#### Pharmaceuticals

- Compliance Labels
- Product Identification
- Track and Trace
- Pick Lists

### your benefits ■ ■ ■

**Easy to integrate** – I-Class printers have a large installed base in the world and can be used in a wide variety of industrial applications with a range of media compatibility, connectivity, emulation support, and options including HF-RFID support. I-Class offers a complete range of printers with 203, 300, 400, and 600 dpi models with the best value proposition for mid range industrial class printers.

**Increased productivity** – The I-Class produces labels with high resolution, intricate graphics or two-dimensional bar codes and is capable of accurately maintaining critical print registration. Its modular design facilitates adding and/or changing options with ease, making it easy to upgrade and reconfigure for business growth.



**Integration Tools** Datamax-O'Neil provides tools that gives you maximum flexibility in integration:

**Integrate easily into existing applications**  
Our language emulation programs allow users to seamlessly replace Zebra and Intermec printers.

**Reduce set-up time:**  
DMXconfig - Set-up utility  
DMXNetmanager - Remote management  
Firmware

**Connectivity for all environments**  
Optional Ethernet-wired LAN 10/100,  
wireless 802.11 b/g or USB host

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# product specifications ■ ■ ■

at a glance	I-4208	I-4308	I-4212	I-4406	I-4604
Print width (max)	4.10" (104.1 mm)	4.16" (105.7 mm)	4.10" (104.1 mm)	4.10" (104.1 mm)	4.16" (105.7 mm)
Print length range*	0.25" - 99" (6.35 - 2514.6 mm)	0.25" - 99" (6.35 - 2514.6 mm)	0.25" - 99" (6.35 - 2514.6 mm)	0.25" - 84" (6.35 - 2133.6 mm)	0.25" - 55" (6.35 - 1397 mm)
Print speed	8 IPS (203 mm/s)	8 IPS (203 mm/s)	12 IPS (304 mm/s)	6 IPS (152 mm/s)	4 IPS (102 mm/s)
Resolution	203 DPI (8 dots/mm)	300 DPI (12 dots/mm)	203 DPI (8 dots/mm)	406 DPI (16 dots/mm)	600 DPI (24 dots/mm)
Memory (SDRAM / Flash)	8MB / 1MB	16MB / 2MB	16MB / 2MB	16MB / 2MB	16MB / 2MB

\*Print length values vary with printer configuration

## print technology ■ ■ ■

- Printer type:
  - Direct thermal
  - Optional thermal transfer

## physical characteristics ■ ■ ■

- Dimensions:
  - 12.7" H x 12.62" W x 18.6" D  
(322.6mm H x 320.5mm W x 472.4mm D)
- Weight:
  - 45 lbs. (20.5kg)
- Operating temperature:
  - 32°F to 100°F (0°C to 38°C)
- Power source:
  - Auto-sensing 90-132 or 180-264 VAC @ 47-63Hz
- Construction:
  - Metal cabinet, clear side window to easily monitor media supply levels

## integration ■ ■ ■

- Communication ports:
  - Standard: Serial RS232, Parallel Bi-Directional
  - Optional: Ethernet-Wired LAN 10/100, Wireless 802.11b/g, USB-Host
- Software
  - DMX Config: Complete printer setup utility
  - DMX NetManager
  - Embedded Network Web Pages
  - Windows® Drivers - NT, XP, Vista
- Firmware
  - Updates: available online
  - Universal printer command language: PL-Z (Zebra), PL-I (Intermec), PL-B (Boca)

## accessories ■ ■ ■

- External rewinder
- Media tray for cutter

## agency approval ■ ■ ■

Contact sales for the most current list

## barcodes/fonts/graphics ■ ■ ■

- Barcodes:
  - Linear: Code 3 of 9, UPC-A, UPC-E, Interleaved 2 of 5, Industrial 2 of 5, Std 2 of 5, Code 11, Code 93, Code 128, EAN-8, EAN-13, HIBC, Codabar, Plessey, UPC 2 and 5 digit addendums, Postnet, UCC/EAN Code 128, Telepen, Planetcode, FIM, USPS-4 State
  - 2D Symbolologies: MaxiCode, PDF417, USD-8, Datamatrix, QR Code, Codeablock, Code 16k, Aztec, TLC 39, Micro PDF417, GS1 Databar
- Resident fonts:
  - Ten alphanumeric fonts from 2.5 to 23 point size, including OCR-A, OCR-B, CG Triumvirate™ smooth font from AGFA®
  - Scalable Fonts: CG Triumvirate Bold Condensed, CG Triumvirate & CG Times with Cyrillic, Greek Arabic and Hebrew character support
- Downloadable font types:
  - True-Type, Bitmap
- Character set:
  - Over 50 resident character sets; Unicode/UTF8 support
- Font expansion/rotation:
  - All fonts expandable vertically and horizontally up to 24x; fonts and graphics can be printed in four directions: 0°, 90°, 180° and 270°s
- Graphics supported:
  - .PCX, .BMP and .IMG files
- Reversible field/mirror image
  - Any font or graphic field can be printed as a normal or reverse image

## warranty ■ ■ ■

- Printer\*: 1 year (including platen roller and installed options)
- Printhead\*: 1 year or 1,000,000 inches whichever comes first
- Contact sales representative for extended warranty options

\* when used with approved supplies

\*\* not available for the I-4208

## media ■ ■ ■

- Media type:
  - Roll-fed: 8.0" (203.2mm) O.D. on a 1.5" - 3.0" (38.1mm - 76.2mm) core
  - Fan-fold stock: accepted from rear of printer
  - Die-cut or continuous labels
  - Perforated or continuous tag/ticket stock
- Media width range:
  - 1.0" - 4.65" (25.4mm - 118.1mm)
- Minimum media length:
  - Tear-off and rewind modes: 0.25" (6.35mm)
  - Peel and cutter modes: 1.0" (25.4mm)
- Media thickness range:
  - 0.0025" - 0.01" (0.0635mm - 0.254mm)
- Media sensing:
  - "See through" for liner-backed die-cut labels and tags
  - Reflective sensor for black mark label media
- Label backfeed:
  - For use with optional cutter
- Ribbon:
  - Width range: 1.0" - 4.5" (25.4mm - 114.3mm)
  - Core: 1.0" (25.4mm)
  - Length: 1968' (600m)
  - Coated side in and coated side out

## options ■ ■ ■

- Thermal transfer (field or factory installed)
- Ethernet-Wired LAN 10/100
- Wireless 802.11b/g
- Cutter - light duty (5 mil) or standard (10 mil)
- ILPC (Hangul, Simplified Chinese, and Kanji) font support
- Label present sensor
- Peel and present
- Font expansion card
- Twinax/Coax interface
- RS-422 interface\*\*
- Internal rewinder
- I/O expansion card
- Linear scanner
- USB interface
- MCL enabled\*\*
- Revolving media hub (40mm)



**Did you know?** Using quality labels and ribbons can significantly prolong the life of your printhead. Datamax-O'Neil offers a wide variety of high quality media for its printers including custom labels, stock labels, ticketing media, ribbons and cleaning products. When you choose Datamax-O'Neil, you receive a proven commitment to superior quality. Quality that results in performance and compatibility... Guaranteed.



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