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

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

Transportation and Logistics
- Cross Docking
- Sorting Centers
- Shipping Labels
- Pallet Tracking

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, wreless 802.11 b/g or USB host

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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 Symbologies: 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**
- Revolving media hub (40mm)
- Internal rewinder
- I/O expansion card
- Linear scanner
- USB interface
- MCL enabled**

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