I-Class™ *Mark II*

Industrial Barcode Printers ▪ ▪ ▪

features at a glance ▪ ▪ ▪

- **OPTIMedia** reduces set-up time by enabling the printer to automatically adjust to optimum heat and speed setting to produce the best print quality

- **Lower power consumption** delivers 25 % lower power consumption in its category. The ECO IntelliSEAQ™ print head has durable coating, better abrasion resistance, and longer life

- **Multiple Communication Ports:** Offers the largest selection of communication ports in the mid level industrial printer range including serial, parallel, USB, LAN, 2 USB Host ports and SDIO, W-LAN, and GPIO interface card

- **Graphical Display** includes a 7-button 128x64 LCD graphical backlit display that is easy to read, enabling user friendly label configuration set-up

- **Rugged construction** features a gear-driven design and durable die-cast aluminum frame

- **Wide access to the printhead** makes the I-Class *Mark II* very easy to maintain; both printhead and platen roller can be changed in less than 5 minutes

- **Field installable options** such as cutters, peel & present sensors, and thermal transfer option can be added easily to upgrade a base printer

- **Multi-language menu** available in English, Spanish, German, Italian, and French

- **Software:** Includes DPL and other popular language emulations that allow the printer to integrate easily into new or existing applications

I-Class *Mark II* is a family of Mid Range Industrial barcode printers that are designed for a wide variety of industrial barcode printing applications. I-Class printers have a legendary reputation in the industry as the best quality printers in this category. I-Class *Mark II* surpasses expectations with competitive pricing for its industry leading reliability, performance, and ease of integration.

The I-Class *Mark II* printer is positioned as the mid-level industrial printer between the compact M-Class *Mark II* and the high performance H-Class. The I-Class *Mark II* is loaded with many standard features not offered by the competition such as a faster processor, larger memory, a wide selection of communication ports, an intelligent printhead with durable coating and better abrasion resistance, and the new OPTIMedia feature that automatically selects heat and speed setting to produce the best print quality. Users will also notice a substantial reduction in power consumption. The I-Class *Mark II* is the ideal printer for shipping and receiving, product identification, pharmacy labeling and asset tracking applications.

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 ▪ ▪ ▪

Versatile – I-Class *Mark II* printers can be used in a wide variety of industrial applications with a range of media compatibility, connectivity, emulation support, and options. I-Class *Mark II* offers a complete range of printers with 203, 300, and 600 dpi models with the best value proposition for mid range industrial class printers.

Increased productivity – I-Class *Mark II* easily keeps up with high speed label demand applications, boasting 20% faster performance than the nearest competitor in its class. With a 400 MHz processor, the throughput of the printer is fastest in the mid range industrial printers in the industry. Its modular design facilitates adding and/or changing options with ease, making it easy to upgrade and reconfigure for business growth.

Reduce set-up time

NETira™
Configuration Tool

Optional Connectivity for all environments:

Ethernet wired LAN 10/100

W-LAN with WPA2 security protocol

2 USB Host Ports and SDIO

GPIO interface card

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product specifications ■ ■ ■

at a glance	I-4212	I-4310	I-4606
Print width (max)	4.10" (104.1 mm)	4.16" (105.7 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"- 55" (6.35 - 1397 mm)
Print speed	12 IPS (304 mm/s)	10 IPS (254 mm/s)	6 IPS (152 mm/s)
Resolution	203 DPI (8 dots/mm)	300 DPI (12 dots/mm)	600 DPI (24 dots/mm)
Memory (SDRAM / Flash)	32MB / 64MB	32MB / 64MB	32MB / 64MB

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 104°F (0°C to 40°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:

Serial RS232	Standard
USB 2.0	Standard
Parallel Bi-directional	Standard
10/100 BaseT Ethernet	Optional
2 USB Host	Optional
W-LAN, 802.11 a/b/g	Optional
SDIO	Optional
GPIO	Optional

- Security Protocols:

	WEP	WPA	WPA2
Modes		PSK/Enterprise	
Security/ Encryption	64/128	TKIP/RC4	CCMP/AES
Authentication	LEAP, EAP-PEAP, EAP-FAST, EAP-TTLS, EAP-LEAP, IPV4		

- Software
  » NETira CT - Complete printer set up utility
  » NETira LD - Label design software
  » Embedded Network web pages
  » Windows Drivers - NT, XP, Vista
- Firmware
  » Updates: available online
  » Auto Detect - DPL, PL-Z, or PL-I

accessories ■ ■ ■

- External rewinder
- Media tray for cutter

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

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
- Internal rewind
- Cast peel present and internal rewind
- Cutter (10 mil)
- ILPC (Hangul, Simplified Chinese, and Kanji)
- Ethernet-Wired, W-LAN 802.11 a/b/g with WPA2 security protocol
- 2 USB Host, SDIO
- Ethernet wired LAN 10/100
- GPIO applicator interface card

agency approval ■ ■ ■

Contact sales for the most current list

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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About BarcodesInc

BRANDS

Who We Are

BarcodesInc is North America's leading provider of •]^&ãæ|ã^åÁåãã ãæ¼¼åÁæceæå@æeå æå^Áæ}åÁ^[-ç æå^Á^[|˘ɑ̃]}•ÉÁU˘¦Á p¦[å˘&ơÁ•j&¦˘å^Á•æå&[å^Á^•æå}}^¦•ÉÁ[àã]^Á&[{]˘ɑ̃]*Áæ^ção˘•Ế﨑^}ãã&æɑ̃]}&eeåÁ˘˘ã{^}åÉ£[ã}ɑ̃É-ỂcoæÁ•ˆ•c^{•Ể﨑æå&[å^Áæ¾^|Áæå^&•ã}oơ¦ã]c•Ể﨑å&[}•˘{ ææ|^•Ể﨑|Á-Á@&@^@@•||Á&˘•ɑ̃{^•Áã̃]¦[ç^Á¦[å˘&&ãɑ̃æãÁ æ}åÁ¦[-ãæãĩɑ̃æãÁÉÁU˘¦Á¦[å˘&ơĩæÁåÁ^[|˘ɑ̃]}Á•ç]^|ơơÁæ^Áå^^^}Á^•¦çã̃]*Á́å[c@Á{ æ̃|¾ã˘•ã]^••^•Ạæe}åÁ¾æ*^Á^}c^¦¦¦ã̃ã^•Á •ã]&^Á�;JJI È

We Owe Our Success To You

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Why Choose BarcodesInc?

Dedicated Account AƱbƱƾYf

Our Account Managers will not compromise when it comes to providing you top-notch service. Your Account Manager is the primary point of contact for your business and makes it a priority to get to know you, your company and all your needs.

Highly-Trained Technical Support

Our technical staff has the broadest knowledge and every significant certification in the industry. One of our friendly experts is always available to suggest products and solutions for any situation.

Incredible Value

Our purchasing power means big savings for you. Whatever your project, our team will work hard to deliver a solution that fits your budget.

Largest Inventory in the Industry and Same-Day Shipping

Whatever your barcoding, mobile computing, or printing needs, we will fill your order and ship it the sameÁåæ̂È

Premier Access to Top Manufacturers

BarcodesInc maintains strong strategic partnerships with the leading manufacturers in barcoding, mobile computing, printing and RFID.

Responsive Customer Service

Every phone call and email is responded to promptly, completely and accurately by our customer serviceÁ^æ{ È

Easy Returns

Damaged, defective or incorrectly ordered goods may be returned without hassle.

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