# I-CLASS MARK II

**Honeywell**

## Industrial Barcode Printers

**I-Class Mark II is a family of mid-range industrial barcode printers designed for a wide variety of industrial barcode-printing applications, including shipping and receiving, product identification, pharmacy labeling, and asset tracking.**

With a legendary reputation in the industry as a high-quality printer, I-Class Mark II is competitively priced, reliable, and easy to integrate. The I-Class Mark II printer is positioned as the mid-level industrial printer between the compact M-Class Mark II or PD series and the high-performance H-Class or PX series.

The I-Class Mark II is loaded with many standard features, such as a fast processor, large memory, a wide selection of communication ports, and IntelliSEAQ™. Honeywell's IntelliSEAQ printhead features advanced thermal control to provide sophisticated diagnostics. It also has advanced SEAQ (Sequential Energy Adjustment for Quality) for Improved print quality, and a durable coating for better abrasion resistance and longer life. Printhead replacement is reduced, which increases printer uptime. Users will also notice a substantial reduction in power consumption.

The 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. It's a compelling value in the mid-level industrial printer class.

Businesses looking for an alternative to Zebra® label printers can choose Honeywell I-Class printers and have peace of mind that they will seamlessly integrate with all existing business systems requiring the Zebra ZPL II® printer command language. Based on exhaustive analysis of customer scripts over 15 years, Honeywell's I-Class printers include Zsim2 emulation. It is well-tested, includes comprehensive support for ZPL II commands, and font matching. This makes upgrading to a Honeywell I-Class printer easy.

*The I-Class Mark II can easily keep up with high-speed, demanding label applications. With a state-of-the-art processor, the throughput of the printer is very fast. Its modular design facilitates adding and/or changing options with ease, making it easy to upgrade and reconfigure for business growth.*

## FEATURES AND BENEFITS

Modular design allows for user field-upgradeable options like thermal transfer and internal rewinder.

Communication ports include serial, parallel, USB, LAN, and two USB Host ports and an SDIO, WLAN, and GPIO interface card.

Graphic display includes an easy-to-read 7-button 128 x 64 LCD display for user-friendly label configuration.

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

Wide printhead access Makes the I-Class Mark II easy to maintain with quick printhead and platen roller replacement.

# I-Class MarkII Technical Specifications

## MECHANICAL

**Dimensions (H x W x D):** 322.6mm x 320.5 mm x 472.4 mm (12.7 in x 12.6 in x 18.6 in)

**Weight:** 20.5 kg (45 lbs)

**Construction:** Solid aluminum die-cast frame with a metal cover and large clear side window to easily monitor media supply levels.

## ENVIRONMENTAL

**Operating Temperature:** 0°C to 40°C (32°F to 104°F)

## PRINT TECHNOLOGY

**Printer Type:** Direct thermal, optional thermal transfer

**Printer Speed/ Resolution:**

**I- 4212e:** 304 mms (12 ips), 8 mmps (203 dpi)

**I- 4310:** 254 mms (10 ips), 12 mmps (300 dpi)

**I- 4606:** 152 mms (6 ips), 24 mmps (600 dpi)

## POWER SOURCE

**Electrical:** Auto-sensing 90–132V AC or 180–264VAC @47–63 Hz

## COMMUNICATION

**Communication Ports (Standard):** Serial RS-232, USB 2.0, parallel bi-directional

**Communication Ports (Optional):** 10/100 Base-T Ethernet, 2 USB host and SDIO, WLAN, 802.11 a/ b/g/n/ac, GPIO applicator interface card

**Security Protocols:**

|  | WEP | WPA | WPA2 |
|---|---|---|---|
| **MODES** |  | PSK/Enterprise |  |
| **SECURITY/ ENCRYPTION** |  | TKIP/RC4 | CCMP/AES |
| **AUTHENTICATION** | LEAP, EAP-PEAP, EAP-FAST, EAP-TTLS, EAP-LEAP, IPV4 | | |

## MEDIA

*For optimum print quality and printer performance, use certified Honeywell media supplies.*

**Media Type:**

**Roll-Fed:** 203.2 mm (8.0 in) O.D. on a 38.1 mm to 76.2 mm (1.5 in to 3.0 in) core

**Fan-Fold Stock:** Accepted from rear of printer

Die-cut or continuous labels

Perforated or continuous tag/ ticket stock

**Media Width Range:** 25.4 mm to 118.1 mm (1.0 in to 4.7 in)

## Maximum Print Width:

**I- 4212e:** 104.1mm (4.10 in)

**I- 4310:** 105.7mm (4.16 in)

**I- 4606:** 105.7mm (4.16 in)

**Minimum Media Length:**

**Tear-Off and Rewind Modes:** 6.4 mm (0.25 in)

**Peel and Cutter Modes:** 25.4 mm (1.0 in)

**Media Thickness Range:** 0.06 mm to 0.25 mm (0.0025 in to 0.01 in)

**Media Sensing:** "Seethrough" 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:** 25.4 mm to 114.3 mm (1.0 in to 4.5 in)

**Ribbon Core:** 25.4 mm (1.0 in)

**Ribbon Length:** 600 m (1,968 ft)

Coated-side-in or coated-side-out

## AGENCY APPROVAL

*Contact your Honeywell sales representative for the most recent list of agency approvals.*

## BARCODES/ FONTS/GRAPHICS

**Barcodes:**

**Linear Symbologies:** 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, Codablock, 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, and CG Times with Cyrillic, Greek, Arabic, and Hebrew character support

**Downloadable Font Types:** TrueType, Bitmap

**Character Set:**

More than 50 resident character sets

Unicode/ UTF8 support

**Font Expansion:** All fonts expandable vertically and horizontally up to 24x

**Font Rotation:** Fonts and graphics can be printed in four directions: 0°, 90°, 180°, and 270°

**Graphics Supported:** .pcx, .bmp, and .img format files

**Reversible Field/ Mirror Image:** Any font or graphic field can be printed as a normal or reverse image

## SOFTWARE / FIRMWARE

**NETira™CT:** Complete printer setup utility

**NETira LD:** Label design software

Embedded network web pages

**Drivers:** Microsoft®Windows®NT, Windows XP, Windows Vista

**Firmware:** Auto Detect – DPL, ZSim2 (Zebra), PL-I (Intermec)

## OPTIONS

Two USB Host

SDIO

Cast Peel Present and Internal Rewind Cutter (10 mil)

Ethernet-WiredLAN 10/100

Wi-Fi a/ b/g/n/ac

GPIO Applicator Interface Card

**ILPC (International Language Print Capability):** Hangul, Simplified Chinese, and Kanji

Internal Rewind

Thermal Transfer

## ACCESSORIES

External Rewinder

Media Tray for Cutter

## WARRANTY

**Standard Warranty:** Covers platen roller, printhead, and installed options when used with approved supplies

**Printer:** 1 year

**Printhead:** 1 year or 25,400,000mm (1,000,000 in), whichever comes first

**Extended Warranty:** Contact your Honeywell sales representative for extended warranty options available through Honeywell Repair Services.