

## PRODUCT SPECIFICATIONS

### I-CLASS

[I-4208](#)

[I-4308](#)

[I-4212](#)

[I-4406](#)

[I-4604](#)



The Datamax I-Class family of printers are the most comprehensive, cost-effective line of industrial thermal label printing products available in the marketplace today.

Engineered with quality and leading-edge technology, the foundation of this printer family is constructed upon a precision-crafted die-cast aluminum frame affording a durable yet lightweight modular design that increases the printer's reliability as well as its longevity. All models are equipped with a 32-bit processor with 8 or 16 MB of standard memory for accelerated formatting and fast first-label outputs.

With available printing resolutions up to 600 dots per inch and print speeds up to twelve inches per second, all printers in the I-Class family offer more standard ease-of-use features than any other printer in their class. These standard features include a front panel user interface with color-coded cues for operator control, an embossed loading diagram for media and ribbon, and a unique collapsible ribbon hub and wide-access print mechanism for effortless loading. Moreover, with its revolutionary modular design, most I-Class accessories and options are field installable, allowing the printer to grow with your changing business needs while increasing both the value and versatility of your technology investment.

The I-Class is ideal for a wide array of mission critical bar code labeling applications found in industries such as manufacturing, warehousing, and shipping. In fact, where intricate two-dimensional bar coding is required for compliance labeling, small parts tracking, or product identification, the I-Class has emerged as the printer of choice by large, multinational operations. Yet, its remarkably sophisticated design and the resulting ease-of-use makes the I-Class the printer of choice among facilities of all sizes in all parts of the world.

When it comes to reliability, simplicity, and performance there is just one choice— the Datamax I-Class family of printers. They are the most affordable, mission critical, industrial thermal printers available.

I-Class printers are ideal for applications such as:

- Compliance Labeling
- Shipping & Receiving
- Product Identification
- Pharmacy Labeling
- Asset Tracking
- Inventory Control
- High Resolution Labeling



**DATAMAX**

**Corporate Headquarters**  
4501 Parkway  
Commerce Boulevard  
Orlando, Florida USA 32808  
(407) 578-8007  
Fax (407) 578-8377  
<http://www.datamaxcorp.com>

**Datamax International**  
Herbert House  
Elizabeth Way, Pinnacles  
Harlow, Essex CM19 5FE UK  
+44 1279 772200  
Fax +44 1279 424448

**Datamax Latin America**  
4501 Parkway  
Commerce Boulevard  
Orlando, Florida USA 32808  
(407) 523-5520  
Fax (407) 578-8377

**Asia-Pacific Sales**  
19 Loyang Way  
#01-01 CILC Building  
Singapore 508724  
+65 542-2611  
Fax +65 542-3611

	I-4208	I-4308	I-4212	I-4406	I-4604
<b>PRINT SPEED</b>	8 IPS	8 IPS	12 IPS	6 IPS	4 IPS
<b>RESOLUTION</b>	203 DPI	300 DPI	203 DPI	406 DPI	600 DPI
<b>PRINT WIDTH</b>	4.10" (104 mm)	4.16" (105.7 mm)	4.10" (104 mm)	4.10" (104 mm)	4.16" (105.7mm)
<b>PRINT LENGTH*</b>	0.25" – 99" (6.35mm – 2475.6mm)	0.25" – 99" (6.35mm – 2475.6mm)	0.25" – 99" (6.35mm – 2475.6mm)	0.25" – 84" (6.35mm – 2133.6mm)	0.25" – 55" (6.35mm – 1397.0mm)
<b>MEMORY</b>	1MB Flash; 8MB SDRAM	2MB Flash; 16MB SDRAM	2MB Flash; 16MB SDRAM	2MB Flash; 16MB SDRAM	2MB Flash; 16MB SDRAM

\* Print length values vary with printer configuration

<b>PRINTER TYPE</b>	Direct Thermal, Optional Thermal Transfer
<b>BAR CODE MODULUS</b>	5 mil to 150 mil (203 dpi); 3.3 mil to 150 mil (300 dpi); 2.5 mil to 150 mil (406 dpi); 1.6 mil to 150 mil (600 dpi) "X" dimension in picket fence or ladder orientations
<b>MEDIA WIDTH</b>	1" – 4.65" (25.4mm – 118.11mm)
<b>MEDIA TYPE</b>	Roll-fed or fan-fold materials, die-cut or continuous labels; perforated or continuous tag/ticket stock
<b>MEDIA THICKNESS</b>	.0025" – .0100" (.0635mm – .254mm)
<b>MEDIA SENSING</b>	Adjustable sensor detects "see through" for liner-backed die-cut labels and tags or reflective sensing for media with black stripe sensing
<b>SUPPLY ROLL</b>	8" (203mm) maximum diameter on 1.5" – 3" (38mm – 76mm) core. Fan-fold stock accepted from rear of printer
<b>REVOLVING MEDIA HUBS</b>	Standard 3" and 1.5" hubs, optional 40mm
<b>LABEL BACKFEED</b>	For use with optional cutter
<b>RIBBONS</b>	Industry standard ribbon widths; 1" (25mm) ribbon core, 1968' (600M) in length
<b>CABINET</b>	Metal construction, clear side window to easily monitor media supply levels
<b>BAR CODES</b>	Code 3 of 9, UPC-A, UPC-E, Interleaved 2 of 5, Code 128, EAN-8, EAN-13, HIBC, Codabar, Plessey, UPC 2 and 5 digit addendums, Code 93, Postnet, UCC/EAN Code 128, Telepen, UPS MaxiCode, FIM, PDF417, USD-8, Datamatrix, QR Code, Aztec, TLC 39, Micro PDF417
<b>RESIDENT FONTS</b>	Ten alphanumeric fonts from .035" (.89mm) to .64" (16.26mm) including OCR-A, OCR-B, CG Triumvirate™, CG Triumvirate Bold Condensed™ scalable font from AGFA®.
<b>DOWNLOADABLE FONT TYPES</b>	True-Type, AGFA® Intellifont™, Bitmap
<b>CHARACTER SET</b>	Modified IBM® Code Page 850; includes characters for English and most European, Scandinavian and Spanish speaking countries
<b>FONT EXPANSION/ROTATION</b>	All fonts expandable vertically and horizontally up to 24x; fonts and graphics can be printed in four directions: 0°, 90°, 180° and 270°
<b>GRAPHICS SUPPORTED</b>	.PCX, .BMP and .IMG files
<b>REVERSE FIELDS/MIRROR IMAGE</b>	Any font or graphic field can be printed as a normal or reverse image
<b>INTERFACES</b>	Centronics® Parallel port, IEEE 1284 compliant and RS232 at 2,400 to 38,400 BPS; optional Ethernet, USB, and Twinax/Coax
<b>WINDOWS® DRIVER</b>	Used for creating label formats using virtually any Windows®-based program. Included on Datamax Accessories CD, or via our web site at <a href="http://www.datamaxcorp.com">www.datamaxcorp.com</a>
<b>POWER SOURCE</b>	Auto-sensing 90 – 204 VAC @ 47 – 63 Hz; specify appropriate power cord when ordering
<b>OPERATING TEMPERATURE</b>	32°F to 100°F (0°C to 38°C)
<b>DIMENSIONS</b>	12.70" H x 12.62" W x 18.60" D (322.6mm H x 320.6mm W x 472.5mm D)
<b>WEIGHT</b>	45 lbs., 20.5Kg

## DATAMAX I-CLASS OPTIONS:

- THERMAL TRANSFER
- PEEL AND PRESENT
- DMXnet ETHERNET CONNECTIVITY
- LIGHT DUTY CUTTER
- FONT EXPANSION CARD
- USB INTERFACE
- STANDARD CUTTER
- ILPC - CG TIMES™ FIRMWARE
- RS-422 INTERFACE\*
- INTERNAL REWIND
- I/O EXPANSION CARD
- TWINAX / COAX INTERFACE
- LABEL PRESENT SENSOR
- LINEAR SCANNER
- HANGUL, SIMPLIFIED CHINESE, AND KANJI FONT SUPPORT

\* Not available for the I-4208



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