H-CLASS

- H-4212
- H-4310
- H-4408
- H-4606
- H-6210
- H-6308
- H-4212X
- H-4310X
- H-4606X
- H-6212X
- H-6310X
- H-8308X

The Datamax H-Class family is the most advanced and feature-rich printer solution designed for today's dynamic enterprise applications. H-Class printers provide throughput that is up to twice as fast as other printers in its class, and its gear-driven design provides rugged and reliable performance for 24x7 mission critical service. Modular construction increases up-time for the highest levels of user productivity, and the industry's largest graphical display provides an easy-to-read view for quick navigation and printer notifications.

- **Reduced total cost of ownership** with an easy to maintain modular design

- **Heavy duty components** to support 24 x 7 mission critical applications

- **High-performance** 32 bit/ 200MHz multi-tasking processor for maximum print throughput for the most demanding applications

- **Rugged and reliable** solid cast metal chassis for challenging environments

- **Flexible connectivity** with largest range of interfaces

- **Designed for any level user** to navigate the large graphic display for optimum viewing and control of all printer functions

- **Superior Batch Printing** using a direct powered internal rewinder for complete eight-inch label rolls with backing

H-CLASS PRINTERS OFFER:

- Superior Performance
  Up to twice as fast in total throughput

- Lowest Total Cost of Ownership
  Modular design minimizes service down time while increasing user productivity

- Rugged and Reliable
  Only gear driven industrial printer giving you 24 x 7 mission critical service

- Unprecedented ease of use
  Largest graphics display makes menu navigation flawless

DATAMAX®
A DOVER COMPANY

www.datamaxcorp.com

PRODUCT SPECIFICATIONS
H-CLASS

	H-4212/H-4408	H-4310/ H-4606	H-6210	H-6308	H-4212X	H-4310X/H-4606X	H-6212X	H-6310X	H-8308X
PRINT SPEED	12/8 IPS	10/6 IPS	10 IPS	8 IPS	12 IPS	10/6 IPS	12 IPS	10 IPS	8 IPS
RESOLUTION	203/406 DPI	300/600 DPI	200 DPI	300 DPI	200 DPI	300/600 DPI	200 DPI	300 DPI	300 DPI
PRINT WIDTH	4.09" (103.9 mm)	4.16" (105.7 mm)	6.61" (167.9 mm)	6.40" (162.6 mm)	4.09" (103.9 mm)	4.16" (105.7 mm)	6.61" (167.9 mm)	6.40" (162.6 mm)	8.52" (216.4 mm)
WEIGHT	40lbs (18.2kg)	40lbs (18.2kg)	47lbs (21.4kg)	47lbs (21.4kg)	47lbs (21.4kg)	47lbs (21.4kg)	53lbs (24.1kg)	53lbs (24.1kg)	59lbs (26.8kg)
DIMENSIONS	13.0"h x 12.6"w x 18.9"d (330h x 321w x 480d)	13.0"h x 12.6"w x 18.9"d (330h x 321w x 480d)	13.0"h x 15.0"w x 18.9"d (330h x 381w x 480d)	13.0"h x 15.0"w x 18.9"d (330h x 381w x 480d)	16.4"h x 12.6"w x 19.3"d (415h x 321w x 489d)	16.4"h x 12.6"w x 19.3"d (415h x 321w x 489d)	16.4"h x 15.0"w x 19.3"d (415h x 381w x 489d)	16.4"h x 15.0"w x 19.3"d (415h x 381w x 489d)	16.4"h x 17.0"w x 19.3"d (415h x 433w x 489d)

PRINTER TYPE	Direct Thermal, Optional Thermal Transfer
BAR CODE MODULUS	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
MEDIA WIDTH	*4"Printers:* 1" – 4.65" (25.4mm – 118.11mm); *6"Printers:* 1" – 6.70" (25.4mm – 170mm); *8"Printers:* 1" – 9.0" (25.4mm – 229mm)
MEDIA TYPE	Roll-fed or fan-fold materials, die-cut or continuous labels; perforated or continuous tag/ticket stock
MEDIA THICKNESS	.0025" – .0100" (.0635mm – .254mm)
PRINT LENGTH	.025" – 99.99" (6.35mm – 2539.2mm) * *Print length values vary with printer configuration*
MEDIA SENSING	Adjustable sensor detects "see through" for liner-backed die-cut labels and tags or reflective sensing for media with black stripe sensing
SUPPLY ROLL	8" (203mm) maximum diameter on 3" (76mm) core. Fan-fold stock accepted from rear and bottom of printer
REVOLVING MEDIA HUB	Standard 3"
LABEL BACKFEED	For use with optional Cutter and Peel & Present
RIBBONS	Industry standard ribbon widths; 1" (25mm) ribbon core, 1968' (600M) in length
CABINET	Metal construction, clear side window to easily monitor media supply levels
FRONT PANEL DISPLAY	128X64; (*"X" Models:* 240X320) graphic display with back light, providing EFIGS and user defined language support including Unicode characters
BAR CODES	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, RSS
RESIDENT FONTS	Nine alphanumeric fonts from .08" (2mm) to .25" (6mm) including OCR-A, OCR-B, and ten CG Triumvirate™, CG Triumvirate Bold Cond™ and ILPC CG Times scalable fonts. All are expandable and 24x.
DOWNLOADABLE FONT TYPES	True-Type and Bitmap
CHARACTER SET	UTF8 (Unicode Standards 4.0 / 5.0) with access to entire Unicode Character Set, Modified IBM® Code Page 850; includes characters for English and most European, Scandinavian and Spanish speaking countries. Scalable fonts can be used with over 50 resident character sets.
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°
GRAPHICS SUPPORTED	.PCX, .BMP, .IMG, and Datamax ASCII Format files
REVERSE FIELDS/MIRROR IMAGE	Any font or graphic field can be printed as a normal or reverse image
REAL TIME CLOCK	Printer stores time and date with battery backup; Time stamp at print capability
MEMORY	8MB Flash; 16MB SDRAM
INTERFACES	Centronics® Parallel port (IEEE 1284 compliant); RS232/422 (2,400 to 38,400 BPS); Ethernet; USB
USB HOST PORTS	Two USB Host Ports for connection of USB peripherals
SDIO INTERFACE	The Secure Digital Input Output (SDIO) Card Slot accepts SDIO Flash Memory Cards for additional storage of label formats, templates, fonts, and graphics.
WINDOWS® DRIVER	Provides printer interface to virtually any Windows®-based program. Included on Datamax Accessories CD, or via our web site at www.datamaxcorp.com
POWER SOURCE	Auto-sensing 90 – 132 or 180 – 264 VAC @ 47 – 63 Hz, auto-ranging; specify appropriate power cord when ordering
OPERATING TEMPERATURE	32°F to 100°F (0°C to 38°C)

DATAMAX H-CLASS OPTIONS:

- THERMAL TRANSFER
- BASIC PEEL AND PRESENT
- HEAVY DUTY PEEL AND PRESENT
- CUTTER
- WIRELESS ETHERNET CONNECTIVITY
- INTERNAL REWIND *(non "X" models)*
- SELF-POWERED INTERNAL REWIND *("X" models)*
- LARGE DISPLAY *(non "X" models)*
- SDIO/USB HOST INTERFACE *(non "X" models)*
- MCL ENABLED
- LABEL PRESENT SENSOR
- LINEAR SCANNER
- RFID - (UHF & HF)
- RFID READY - (UHF only)
- GPIO INTERFACE
- HANGUL, SIMPLIFIED CHINESE, AND KANJI FONT SUPPORT

Rev.11/07

www.datamaxcorp.com

DATAMAX®
A DOVER COMPANY