

PRODUCT SPECIFICATIONS

H-CLASS



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

- 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



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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 | .25" – 99.99" (6.35mm – 2539.2mm) * <i>Print length values vary with printer configuration</i> |
| 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

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