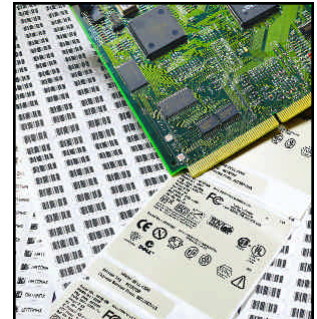# DMX-I-4406™ AND DMX-I-4604™
PRODUCT SPECIFICATIONS

When first introduced, the Datamax I-Class™ products brought new innovations and standards in price, performance, quality and reliability to the 4" thermal printing market. Now, the new high-density DMX-I-4406 and DMX-I-4604 offer even greater capability for printing labels that require high resolution.

With 16MB of standard memory and a 90 MHz processor, downloading large amounts of intricate information is a breeze. Throughput is the fastest in this class of printer thus making large batch jobs flow quickly. Both products are built on Datamax's proven I-Class design and are perfect for applications utilising very small labels with high-resolution and intricate graphics, or two-dimensional bar codes including Micro PDF, PDF417, Aztec and Datamatrix. The 406 dpi (16 dots/mm) and 600 dpi (24 dots/mm) printheads, coupled with the capability to accurately maintain critical print registration enable these products to produce labels for applications such as small parts tracking, identification of wiring harnesses, pharmaceutical packing and research samples, just to name a few. The die-cast aluminium frame and metal cover provide a rugged, reliable platform that stands up to the harshest industrial environments.

Both products print a full 4-inch wide label. Field-installable flash/font expansion cards serve to minimise download time and maximise printer output by allowing for label format and graphics storage, downloadable fonts and international language print capabilities. The I-4406 and I-4604 printers are the most versatile, high-density products in the 4" market.

STANDARD FEATURES:

- *Powerful 32-bit, 90 MHz Motorola Coldfire™ multi-tasking processor and an industry-leading 16MB of addressable RAM*
- *Easy-to-read front LCD display*
- *Colour-coded operator cues*
- *Embossed media-loading diagrams*
- *Easily accessible printhead mechanism*
- *Unique collapsible ribbon hub for easy loading*
- *Flash upgradeable firmware*

ENGINEERED TO PROTECT YOUR INVESTMENT:

- *Modular design facilitates adding and/or changing options*
- *Easy to upgrade and reconfigure for business growth*
- *Change the printhead and platen roller in less than 5 minutes*
- *Standard bi-directional parallel and high-speed serial interfaces allow easy integration into your system*
- *Optional Ethernet and Twinax/Coax support allows the printer to connect to virtually any host system environment*
- *3-year limited warranty*

The Datamax I-Class products work perfectly with your computer system. When it comes to precise registration, intricate graphics and high performance, the choice is easy. **Datamax I-Class** products are the industry's answer for your high-resolution printing requirements. Visit our website at www.datamaxcorp.com or call +44 (0) 1279 772 200 for more information.

DMX-I-4406™ AND DMX-I-4604™ PRODUCT SPECIFICATIONS

DATAMAX®
I CLASS™

PRINTER TYPE	Direct Thermal, Optional Thermal Transfer
PRINT SPEED	2" – 6" per second (51mm – 153mm), 2" – 4" per second (51mm – 102mm) in .5" programmable increments
RESOLUTION	406 dpi (16 dots/mm); 600 dpi (24 dots/mm)
BAR CODE MODULUS	5 mil to 110 mil "X" dimension in picket fence or ladder orientations
MAXIMUM PRINT WIDTH	406dpi: 4.09" (103.8mm), 600dpi: 4.16" (105.6mm)
MEDIA WIDTH	1" – 4.65" (25mm – 118mm)
PRINT LENGTH	0.25" – 80" (6mm – 2000mm); 0.25" – 55" (6mm – 1375mm); .75" (19mm) minimum print length with optional present sensor
MEDIA WINDOW	Clear side door panel to easily monitor media supply levels
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)
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 1.5" – 3" (38mm – 76mm) core. Fan-fold stock accepted from rear of printer
REVOLVING MEDIA HUBS	Standard in 1.5" and 3.0" optional 40mm
LABEL BACKFEED	For use with optional cutter
RIBBONS	Industry-standard ribbon widths; 1" (25mm) ribbon core, 1968' (600M) in length
CABINET	Metal construction
BAR CODES	Code 39, Interleaved 2 of 5, Code 128 (subsets A,B and C), Codabar, LOGMARS, UPC-A, UPC-E, UPC 2 & 5 digit addendums,EAN-8, EAN-13, EAN 2 & 5 digit addendums, UPC random weight, Code 93, MSI Plessey, Universal Shipping Container Symbology, QR Code, UCC/EAN Code 128, Postnet, Code 128 MOD 43, PDF 417, UPS MaxiCode (mode 2 & 3), Datamatrix, Telepen, Micro PDF, Aztec
RESIDENT FONTS	Ten alphanumeric fonts from .035" (.89mm) to .64" (16.26mm) including OCR-A, OCR-B, CG Triumvirate™ and CG Triumvirate Bold Condensed scalable font from AGFA®
CHARACTER SET	Over 30 International Code Pages; includes characters for English and most European, Scandinavian and Spanish-speaking countries. Also includes double-byte code 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°
GRAPHICS SUPPORT	.PCX, .BMP and .IMG files
REVERSE FIELDS/MIRROR IMAGE	Any font or graphic field can be printed as a normal or reverse image
MEMORY	2MB Downloadable Flash Program Memory – 256 KB available to user 16MB DRAM memory
INTERFACES	Centronics® Parallel port (IEEE 1284 compliant), RS232 at 2,400 to 38,400 BPS, optional Ethernet; optional RS422
WINDOWS® DRIVER	Used for creating label formats using virtually any Windows®-based program. Included on Datamax Accessories CD, or via our web site at www.datamaxcorp.com
POWER SOURCE	Auto-sensing 115, 230 VAC 50/60 Hz; specify appropriate power cord when ordering
OPERATING TEMPERATURE	40°F to 95°F (4°C to 35°C)
DIMENSIONS	12.70" H x 12.62" W x 18.60" D (322.6mm H x 320.6mm W x 472.5mm D)
WEIGHT	45 lbs., 20.5Kg
OPTIONS	ALL OPTIONS ARE EASILY INSTALLED IN THE FIELD OR CAN BE ORDERED AS FACTORY INSTALLED
THERMAL TRANSFER	Simple ribbon loading featuring collapsible ribbon hub
STANDARD MEDIA CUTTER W/ TRAY	Maximum Thickness .010" (.254mm)
LIGHT DUTY CUTTER	Maximum Thickness .005" (.127mm)
INTERNAL REWIND	6" (125mm) OD capacity; label backing rewound in peel and present mode and liner rewound in batch mode with present sensor used for on-demand label dispensing (factory or field installed)
EXTERNAL REWIND/UNWIND	12" (300mm) maximum OD capacity, 7.5" (237.5mm) wide
I/O EXPANSION CARD	Featuring 8MB Flash, general purpose I/O, time and date battery backup
PASSPORT	Portable keyboard/display terminal provides interface for stand-alone printing
LABEL PRESENT SENSOR	Used for on-demand label dispensing
NETWORK CONNECTIVITY	Internal Ethernet Adapter 10/100 mbps allows multiple users on various platforms to share the same printer
Hosts Supported:	• Novell NetWare • UNIX • Windows NT • LAN Manager • AppleTalk • DEC
Protocols Supported:	• IPX • TCP/IP • LPR • LAT • NetBIOS/NetBEUI
INTERNAL TWINAX/COAX INTERFACE	Supports printing from IBM® midrange or mainframe computers
FONT/FLASH EXPANSION	Features 4MB font memory and 4MB addressable Flash memory expansion
INTERNATIONAL LANGUAGE PRINT CAPABILITY	Consisting of the Font/Flash expansion card plus one of the following: CG-Times Scalable font or; simplified Chinese GB Scalable font or; Kanji Gothic B Scalable font

AGFA│Monotype   **energy**   **ISO 9001 CERTIFIED**