

PRODUCT SPECIFICATIONS

I-CLASS rfid

I-4210

I-4308

I-4212

I-4406

I-4604



Datamax I-Class printers are the most comprehensive, cost-effective line of industrial thermal label printing products available in the marketplace today. Now the I-Class RFID (Radio Frequency IDentification) printer provides the capability to read and write data and print labels that incorporate an embedded radio frequency identification (RFID) transponder into smart labels. These transponders contain integrated circuits that can be read, programmed, and re-programmed throughout a defined life cycle without adhering to the line-of-sight or glare limitations of traditional bar coding.

Revolutionary RFID technology enables users to change and update data repeatedly throughout the life of the smart label. RFID also provides reliable data transmission by reducing reliance on human intervention in most processes virtually eliminating data-entry errors. The simple and inspired I-Class RFID printer from Datamax facilitates the evolution from simple bar coding to more advanced data capture and tracking methodologies. RFID used in conjunction with human readable text or machine readable bar codes will enable real-time visibility within many different applications, transforming processes, increasing efficiencies and reducing the threat of erroneous delivery or counterfeit goods. Extra data provided by RFID technology revolutionizes automatic identification and data collection (AIDC) processes, progressing from step by step updates to streaming, real time data management.



Engineered with quality and leading edge technology, the foundation of the I-Class 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. The I-Class is ideal for a wide array of mission critical bar coding and RFID applications found in industries such as manufacturing, warehousing, and shipping. The remarkably sophisticated design and resulting ease-of-use makes the I-Class RFID printer the optimal 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 RFID printers. Now capable of printing and encoding simultaneously, they are the most affordable, mission critical, innovative thermal printers available.

DATAMAX[®]

The I-Class RFID Solution from Datamax is ideal for many applications:

- Logistics Management
- Baggage Tags
- Retail/Apparel
- Inventory Control
- Library Systems
- Asset/People Tracking
- Anti-Theft



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

Datamax Vertrieb Schweiz
 ADES
 Ruchstuckstrasse 1
 8306 Brüttisellen
 Tel 0041 1 835 20 60
 Fax 0041 1 835 20 69



	I-4210rfid	I-4308rfid	I-4212rfid	I-4406rfid	I-4604rfid
<i>All I-Class rfid printers support both Texas Instruments Tag-IT and Philips I-Code transponders</i>					
PRINT SPEED	10 IPS	8 IPS	12 IPS	6 IPS	4 IPS
RESOLUTION	203 DPI	300 DPI	203 DPI	406 DPI	600 DPI
PRINT WIDTH	4.10" (104 mm)	4.16" (105.7 mm)	4.10" (104 mm)	4.10" (104 mm)	4.16" (105.7 mm)
PRINT LENGTH*	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)
MEMORY	2MB Flash; 16MB SDRAM	2MB Flash; 16MB SDRAM	2MB Flash; 16MB SDRAM	2MB Flash; 16MB SDRAM	2MB Flash; 16MB SDRAM

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	1" – 4.65" (25.4mm – 118.11mm)
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 3" and 1.5" hubs, 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, clear side window to easily monitor media supply levels
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
RESIDENT FONTS	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®.
DOWNLOADABLE FONT TYPES	True-Type, AGFA® Intellifont™, Bitmap
CHARACTER SET	Modified IBM® Code Page 850; includes characters for English and most European, Scandinavian and Spanish speaking countries
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 and .IMG files
REVERSE FIELDS/MIRROR IMAGE	Any font or graphic field can be printed as a normal or reverse image
INTERFACES	Centronics® Parallel port, IEEE 1284 compliant and RS232 at 2,400 to 38,400 BPS; optional Ethernet, USB, and Twinax/Coax
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 90 – 204 VAC @ 47 – 63 Hz; specify appropriate power cord when ordering
OPERATING TEMPERATURE	32°F to 100°F (0°C to 38°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

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
- HANGUL, SIMPLIFIED CHINESE, AND KANJI FONT SUPPORT

* Not available for the I-4208

Built to UL, CSA and TUV-GS safety standards, FCC Class A emissions standard and CE Mark. This data sheet is for informational purposes only. DATAMAX MAKES NO WARRANTIES, EXPRESSED OR IMPLIED IN THIS SUMMARY. Specifications are subject to change without notice. All trademarks are the property of their respective owners. ©2003 DATAMAX BAR CODE PRODUCTS CORPORATION. All rights reserved. Datamax is an ISO 9001 registered company.