

PRODUCT SPECIFICATIONS

I-CLASS (RFID)



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

- I-4210
- I-4308
- I-4212
- I-4406
- I-4604

Datamax introduces the I-Class RFID printer, the only truly "RFID Ready" printer available to meet the needs of all current and potential RFID smart label users. The I-Class RFID & RFID Ready printer is available now for users who are interested in incorporating RFID printing capabilities now or at some point in the future. This printer features all of the benefits and modularity of the Datamax I-Class printer, with the addition of a field-installable RFID module available from Datamax. The Datamax I-Class RFID printer currently supports two different modules, one HF and one UHF. The HF module operates at 13.56 MHz and supports the ISO 15693 High Frequency standard. The UHF module operates between 860 and 960 MHz depending on geographic region and supports the EPCglobal Class 0, 0+, 1, and Class 1 Gen 2 standards, along with ISO 18000-6 and Philips U Code.

The global evolution of the Auto-ID industry has led many companies to search for faster and more efficient tools for automatic identification processes. RFID is emerging as one of these tools, as supported by the many existing requirements for tagging of inbound goods for distribution through their supply chain. As a leading automatic identification equipment manufacturer, including printers, labels and integration tools, Datamax understands customers' needs for flexible products that are scalable and robust for current and future needs.



Many Datamax customers are finding smart label applications are appropriate to address business challenges that were previously outside the realm of automatic identification technologies. Smart labels incorporate an RFID (Radio Frequency Identification) tag into a traditional thermal label allowing users to combine graphical and radio frequency data in one application. Smart label applications include supply chain tracking, inventory management, Work-In-Process control and many other traditional automatic identification functions. Datamax I-Class RFID printers offer scalable solutions for users regardless of their level of RFID deployment. You can trust Datamax to provide you with the right RFID compliance solutions, as well as solutions for the future of smart labeling.



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PRODUCT SPECIFICATIONS

I-CLASS (RFID)

	I-4210 RFID	I-4308 RFID	I-4212 RFID	I-4406 RFID	I-4604 RFID
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" (105.7mm)
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
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. 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 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 – 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)
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 (RFID) OPTIONS:

- THERMAL TRANSFER
- DMXNet ETHERNET CONNECTIVITY
- FONT EXPANSION CARD
- USB INTERFACE
- ILPC - CG TIMES™ FIRMWARE
- RS-422 INTERFACE
- INTERNAL REWIND
- I/O EXPANSION CARD
- TWINAX / COAX INTERFACE
- HANGUL, SIMPLIFIED CHINESE, AND KANJI FONT SUPPORT

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