

➤ PRODUCT SPECIFICATIONS

A-CLASS

Print Engines for applicators



■ A-4212 ■ A-4310 ■ A-4408 ■ A-4606 ■ A-6212 ■ A-6310

When the demands of your high performance print and apply application require more features than existing print engines offer, it's time to move up to the new Datamax A-Class™.

The Datamax A-Class family of advanced print engines include a number of innovative design features such as stainless steel hardware components, modular electronics card cage, field installable thermal transfer ribbon assembly, a remote control panel, and a full graphics display.

Designed for print and apply applicator integration, the A-Class utilizes the industry recognized Datamax I-Class firmware architecture with connectivity options to industry standard communications interfaces.

When you need to depend on your applicator print engine to keep your business in business, move up to the Datamax A-Class.

DATAMAX®

www.datamaxcorp.com



CORPORATE HEADQUARTERS

4501 Parkway Commerce Blvd.
Orlando, Florida USA 32808
Phone (407) 578-8007
Fax (407) 578-8377
customercare@datamaxcorp.com

DATAMAX LABELS AND RIBBONS

Phone (800) 321-2233
Fax (800) 436-8920
dmxmedia@datamaxcorp.com

DATAMAX LATIN AMERICA

Phone (407) 523-5520
Fax (407) 578-8377
tdelgado@datamaxcorp.com

DATAMAX INTERNATIONAL

Phone +44 1279 772200
Fax +44 1279 424448
rbyrne@datamaxcorp.com

DATAMAX ASIA-PACIFIC REPRESENTATIVE OFFICE

Phone +65-542-2611
Fax +65-542-3611
datamax@pacific.net.sg

DATAMAX CHINA REPRESENTATIVE OFFICE

Phone +86 21 64952882
datamax_cn@china.com

PRODUCT SPECIFICATIONS

A-CLASS



Graphic LCD Display

DMXrNet Wireless
Ethernet Card



DMXNet
Ethernet Card



Right-hand Model, Cover Open



Rear of Printer, Slide in Card Cage

DATAMAX A-CLASS STANDARD FEATURES:

- | | | | |
|--|--|---|---|
| <ul style="list-style-type: none"> ▪ Right-handed printer ▪ Media peel bar ▪ 4MB FLASH downloadable program memory ▪ 16MB DRAM memory ▪ Two RS-232 serial interfaces, 9pin ▪ One IEEE 1284 compliant parallel interface ▪ One USB v1.1 interface ▪ RS422/RS485 Interface ▪ One applicator interface ports (15pin) with programmable inputs and outputs ▪ Graphics LCD control display with backlight | <ul style="list-style-type: none"> ▪ EFIGS (English, French, Italian, German, and Spanish) LCD languages ▪ AGFA Scalable Font Engine with CG Triumvirate™ Scalable (regular and bold condensed) fonts ▪ Industry standard bar code symbologies ▪ Time and Date battery back up ▪ Static brushes ▪ Remote control front panel (36" maximum); connects to second serial port ▪ Host Computer accessible RAM/Flash memory for object temporary storage ▪ DPL command language | <ul style="list-style-type: none"> ▪ Slide in style card cage ▪ Fault handling with reprint or void selection ▪ Parse error-tolerant command language interpretation ▪ Internal test labels for printhead verification, print quality validation, and internal configuration ▪ Resident multiple setup store and restore capability ▪ Time stamp at print capability ▪ Paper retract control after print ▪ Ribbon low detection and warning ▪ Power up diagnostics ▪ Resident option hardware diagnostics | <ul style="list-style-type: none"> ▪ Diagnostic display and modes ▪ Media counters ▪ Front panel security ▪ Input line mode (ASCII text input) capability ▪ Option hardware auto-detection ▪ Scalable Font dynamic font attributes, bold and italics ▪ Firmware upgrades downloadable ▪ Audible Alert |
|--|--|---|---|

SUPPORTED BARCODES: 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

DATAMAX A-CLASS STANDARD FEATURES:

I M P E R I A L		A-4212	A-4310	A-4408	A-4606	A-6212	A-6310
	RESOLUTION (dpi)	203	300	406	600	203	300
	MAX PRINT WIDTH (in)	4.094	4.161	4.094	4.157	6.610	6.401
	NOM PRINT HEAD DOT SIZE (in x in)	.0043 x .0052	.0027 x .0043	.0013 x .0018	.0008 x .0015	.0043 x .0052	.0027 x .0043
	PRINT SPEED (in/sec)	2 - 12	2 - 10	2 - 8	2 - 6	2 - 12	2 - 10
	MEDIA WIDTH RANGE (in)	1 - 4.65	1 - 4.65	1 - 4.65	1 - 4.65	2 - 6.70	2 - 6.70
	RIBBON WIDTH RANGE (in)	1 - 4.65	1 - 4.65	1 - 4.65	1 - 4.65	2 - 6.70	2 - 6.70
	MEDIA EDGE TO PRINTHEAD DOT 1, LH MODEL (in)	.070	.000	.070	.000	.000	.054
	MEDIA EDGE TO PRINTHEAD DOT 1, RH MODEL (in)	.070	.070	.070	.070	.070	.070
	MEDIA CORE ID RANGE (in)			N/A, External Supply			
M E T R I C	MAX MEDIA ROLL OD* (in)			N/A, External Supply			
	MAX RIBBON LENGTH** (ft)			1968			
	MEDIA THICKNESS RANGE (in)			.0025 - .010			
	PRINT LENGTH RANGE (in)			.25 - 99			
		A-4212	A-4310	A-4408	A-4606	A-6212	A-6310
	RESOLUTION (dppm)	8.0	11.8	16.0	23.6	8.0	11.8
	MAX PRINT WIDTH (mm)	104.0	105.7	104.0	105.6	167.9	162.6
	NOM PRINT HEAD DOT SIZE (mm x mm)	.11 x .13	.07 x .11	.05 x .07	.03 x .06	.11 x .13	.07 x .11
	PRINT SPEED (mm/sec)	50 - 304	50 - 254	50 - 203	50 - 152	50 - 304	50 - 254
	MEDIA WIDTH RANGE (mm)	25 - 118	25 - 118	25 - 118	25 - 118	50 - 170	50 - 170
	RIBBON WIDTH RANGE (mm)	25 - 118	25 - 118	25 - 118	25 - 118	50 - 170	50 - 170
	MEDIA EDGE TO PRINTHEAD DOT 1, LH MODEL (mm)	1.78	.000	1.78	.000	.000	1.37
	MEDIA EDGE TO PRINTHEAD DOT 1, RH MODEL (mm)	1.78	1.78	1.78	1.78	1.78	1.78
	MEDIA CORE ID RANGE (mm)			N/A, External Supply			
	MAX MEDIA ROLL OD* (mm)			N/A, External Supply			
	MAX RIBBON LENGTH** (M)			600			
	MEDIA THICKNESS RANGE (mm)			.06 - .25			
	PRINT LENGTH RANGE (mm)			6 - 2500			
		A-4212	A-4310	A-4408	A-4606	A-6212	A-6310
	RESOLUTION (dppm)	8.0	11.8	16.0	23.6	8.0	11.8
	MAX PRINT WIDTH (mm)	104.0	105.7	104.0	105.6	167.9	162.6
	NOM PRINT HEAD DOT SIZE (mm x mm)	.11 x .13	.07 x .11	.05 x .07	.03 x .06	.11 x .13	.07 x .11
	PRINT SPEED (mm/sec)	50 - 304	50 - 254	50 - 203	50 - 152	50 - 304	50 - 254
	MEDIA WIDTH RANGE (mm)	25 - 118	25 - 118	25 - 118	25 - 118	50 - 170	50 - 170
	RIBBON WIDTH RANGE (mm)	25 - 118	25 - 118	25 - 118	25 - 118	50 - 170	50 - 170
	MEDIA EDGE TO PRINTHEAD DOT 1, LH MODEL (mm)	1.78	.000	1.78	.000	.000	1.37
	MEDIA EDGE TO PRINTHEAD DOT 1, RH MODEL (mm)	1.78	1.78	1.78	1.78	1.78	1.78
	MEDIA CORE ID RANGE (mm)			N/A, External Supply			
	MAX MEDIA ROLL OD* (mm)			N/A, External Supply			
	MAX RIBBON LENGTH** (M)			600			
	MEDIA THICKNESS RANGE (mm)			.06 - .25			
	PRINT LENGTH RANGE (mm)			6 - 2500			

* Labels wound out only

** Coated side in only

DATAMAX A-CLASS OPTIONS:

- LEFT-HANDED VERSIONS
- DIRECT THERMAL (no ribbon)
- RIBBON SAVER
- INTERNAL WIRELESS LAN (DMXrfNET)
- INTERNAL ETHERNET LAN (DMXNET)
- EXTERNAL ETHERNET LAN (DMX-100)
- INTERNAL TWINAX/COAX INTERFACE
- EXTERNAL KEYBOARD SUPPORT (PASSPORT)
- 8MB FLASH MAIN LOGIC BOARD
- INTERNATIONAL LANGUAGE PRINT CAPABILITY

(ILPC) consisting of one of the following:

- CG-TIMES SCALABLE FONT
- KANJI GOTHIC B & E SCALABLE FONTS
- SIMPLIFIED CHINESE GB SCALABLE FONT
- KOREAN HANGUL SCALABLE FONT
- SUPPORTS BIG 5 ENCODING

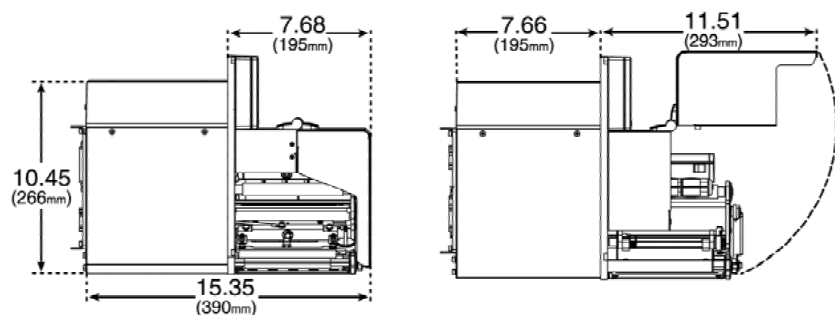
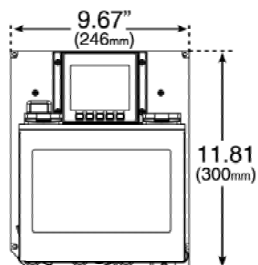
440 lb dynamic load capacity bearings on common platen rollers



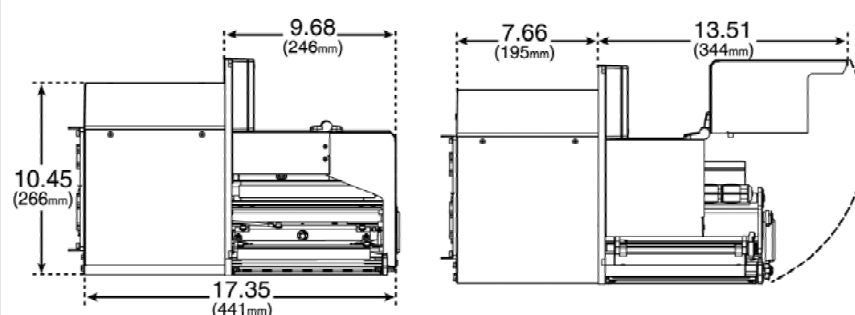
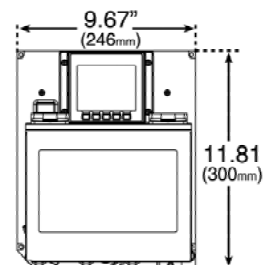
➤ PRODUCT SPECIFICATIONS

A-CLASS

- A-4212
- A-4310
- A-4408
- A-4606



- A-6212
- A-6310



Built to UL, Canadian, and European 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. ©2004 DATAMAX BAR CODE PRODUCTS CORPORATION. All rights reserved. Datamax is an ISO 9001 registered company.

Rev. 04/04

DATAMAX



www.datamaxcorp.com