



# Datamax® H-4212(x)/H-4310(x) Direct Thermal/Thermal Transfer Label Printer



## STANDARD FEATURES

- Peel and present
- Thermal transfer
- Nine bitmapped fonts
- Scalable engine
- Revolving media hub
- Media window
- 16MB RAM (optional)
- 8MB flash ROM
- Options easily field installed
- Datamax CD-ROM (contains Windows® print drivers and manuals)
- MCL Enabled
- Optional R series RFID and RFID ready printers
- Real time clock
- Secure digital input (SDID) card slot-SDID flash memory card
  - X model only
  - Optional on Non-X model

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## APPROVALS



## SPECIFICATIONS

### PRINT SPEED:

H-4310(x): 2 in to 10 in per second  
 H-4212(x): 2 in to 12 in per second  
 (50.8 to 304.8mm) in 0.5 in (0.01 mm) programmable increments

### RESOLUTION:

H-4212-203 dpi  
 H-4212x-200 dpi  
 H-4310/H-4310x-300 dpi

### MAXIMUM PRINT WIDTH/LENGTH:

Width: 4.10 in (H-4212x) 4.16 in (H-4310x);  
 Length: 0.25 in to 99 in (6 to 2475 mm) 0.75 in (19 mm) minimum print length with optional present sensor

### MEDIA WIDTH:

1 in – 4.65 in (25 mm – 118 mm)

### SUPPLY ROLL:

8 in (203 mm) maximum diameter on 3 in (76 mm) core. Fan-fold stock accepted from rear & bottom of printer

### RIBBONS:

Industry standard ribbon widths;  
 1 in (25 mm) ribbon core, 1968 ft (600 m) in length

### MCL:

Macro Command Language allows printer to control the printing application

### DIMENSIONS:

H-4212: 13.0 in H x 12.6 in W x 18.9 in D  
 H-4310: 16.37 in H x 12.51 in W x 18.83 in D

### RFID PRINTERS

#### (CONTACT RICE LAKE) CABINET:

Metal construction, clear side window

### BAR CODES:

Code 3 of 9, Interleaved 2 of 5, Code 128, Codabar, UPC-A, UPC-E, UPC 2 & 5 digit addendums, EAN-8, EAN-13, EAN 2 & 5 digit addendums, Code 93, Plessey, UCC/EAN Code 128, Postnet, PDF 417, UPS MaxiCode, Datamatrix, FIM, Telepen, HIBC, Aztec, TLC39, QR Code, PDF417, USD-8, Micro PDF417, 7, RSS, USPS-4

### GRAPHICS SUPPORT:

.PCX, .BMP and .IMG files

### MEMORY:

8MB Flash Memory; 16MB DRAM memory

### INTERFACES:

Centronics® Parallel port (IEEE 1284 compliant), RS232/422 at 2,400 to 38,400 BPS Ethernet, USB

### POWER SOURCE:

Auto-sensing 115, 230 VAC 50/60 Hz; specify appropriate power cord when ordering

### OPERATING TEMPERATURE:

32°F to 100°F (0°C to 38°C)

### APPROVALS:

UL listed, CSA certified, CE marked, FCC Class A emissions standard, TUV-GS safety standards, ROHS and WEE compliant

### WEIGHT:

47 lb

### WARRANTY:

Three-year limited warranty on parts. One-year or 1 million linear inches on original printhead. 90 days on replacement printhead.

**C&M SCALE**  
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## H-4212

<b>PART #</b>	<b>DESCRIPTION</b>	<b>EST. SHIP WEIGHT</b>
101388.....	H-4212, Direct thermal 203 dpi .....	40lb .....
96885.....	H-4212X, Direct/Thermal transfer, internal rewind 203 dpi .....	47lb .....

## H-4310

<b>PART #</b>	<b>DESCRIPTION</b>	<b>EST. SHIP WEIGHT</b>
101389.....	H-4310, Direct thermal 300 dpi .....	40lb .....
96886.....	H-4310X, Direct/Thermal transfer, internal rewind 300 dpi .....	

### OPTIONS/ACCESSORIES

96940.....	Metal thermal transfer option (coated side in/out).....	
96941.....	HD peel mechanism and present sensor (requires interval rewinder).....	
96942.....	Basic peel & present sensor (requires internal rewinder) .....	
96943.....	Powered internal rewinder-full roll .....	
96952.....	Present sensor only option.....	
96954.....	Internal ILPC font kit-CG Times.....	
96955.....	DMXrfNet Internal 802.11b WiFi card.....	
68517.....	External rewinder/unrewinder DMX Rewi.....	
96956.....	Standard cutter kit for 10mil stock.....	
53913.....	Expansion board 8MB flash.....	
64889.....	I/O expansion Kanji.....	

### LABELSTOCK/RIBBON

21776.....	Direct thermal, 3 in W x 3 in L, 8 in diameter, 2000/roll .....	
25973.....	Direct thermal, 4 in W x 6 in L, 6 in diameter, 460/roll .....	
25975.....	Direct thermal, 4.25 in W x 2.5 in L, 6 in diameter, 1090/roll .....	
21785.....	Thermal transfer, 2 in W x 1 in L, 8 in diameter, 5500/roll .....	
21788.....	Thermal transfer, 4 in W x 6 in L, 8 in diameter, 1000/roll .....	
20573.....	Thermal transfer, 4 in W x 6.5 in L, 8 in diameter, 900/roll .....	
34051.....	Ribbon (black), 2 in.....	
34056.....	Ribbon (black), 4 in.....	

### PARTS

96957.....	Printhead 203 dpi (H-4212x) .....	
96958.....	Printhead 300 dpi (H-4310x) .....	

### CABLES

15547.....	Blunt end, 25-pin D-sub male RS-232 serial interface cable.....	
Interfaces to: Rice Lake indicators with a serial port screw terminal connection		
37527.....	6ft parallel cable .....	
41502.....	PC to printer DB9 AT-style interface cable.....	
79074.....	USB cable .....	

Note: The following models are available by special order.

- H-6210= 6 in wide, 203 dpi
- H-6308= 6 in wide, 300 dpi
- H-4408= 4 in wide, 400 dpi
- H-4606= 4 in wide, 600 dpi

**C&M SCALE**  
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