



M-Class Mark II: When price and dependable performance are important, the M-Class printer series generates affordable HF and UHF RFID compliance labels to support most industry requirements.



H-Class: The H-Class is a family of heavy duty, RFID printers that are ideal for the high performance demands of manufacturing and distribution. The H-Class offers a full array of printer sizes, supports UHF and HF frequencies and generates high quality printing up to 600dpi.



A-Class Mark II: These heavy duty print-engines generate smart label RFID solutions that integrate easily into the high-volume automated printing systems used in labeling boxes, cartons and pallets.

The R-Series encompasses a broad spectrum of RFID printers to meet the diverse demands of today's constantly advancing RFID implementations. No matter the requirements, Datamax-O'Neil delivers power, performance and reliability. All R-Series printers comply with EPC G2 standards.

As with all Datamax-O'Neil printers R-Series UHF and HF RFID printers feature the benefits and modularity inherent in our printer designs and support a wide range of configurations while meeting global frequency requirements. The built-in RFID programming capabilities gives users the flexibility to secure IC data and set error handling levels. The integrated auto calibration feature ensures optimum performance and power levels.

popular applications ■ ■ ■



Manufacturing

- Inventory Management
- Product Identification
- Pallet Tracking
- Work in Progress



Distribution

- Inventory Management
- Asset Tracking
- Compliance Labeling
- Item Level Tracking



Food and Beverage

- Product Track & Trace
- Product Identification
- Shelf Labeling
- Stock Replacement



Healthcare

- Patient Identification
- Track and Trace
- Supply Management
- Security and Records

your benefits ■ ■ ■

Configured for YOUR application- The R-Series offers flexible RFID printers that accommodate a wide array of label sizes, media, and numerous inlays. You chose from three basic families of printers then add the features and options that will best ensure your application runs smoothly and efficiently.

Maximize productivity – Improve everyday productivity with quick throughput and high powered performance. The convenient and modular design of the R-Series means many services, upgrades and repairs can be performed easily at your location saving you time and money.



SUPPORTED BAND TAGS:

UHF

- Class 1, GEN1
- Class 1, GEN2
- EPC 1.19 Ucode
- EM422/4223
- Power ID BAP

HF

- ISO 15693
- TI
- Philips
- ST LR1512
- ST LR164



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right by our customers.

M-Class Mark II R-Series - supports HF and UHF modules

| Model | |
|---------------------|--------------------|
| M-4210 | M-4308 |
| Resolution | |
| 203 dpi (8 dpmm) | 300 dpi (12 dpmm) |
| Print Speed | |
| 10 ips (254 mm/sec) | 8 ips (203 mm/sec) |
| Max Print Width | |
| 4.25 in (108 mm) | 4.25 in (108 mm) |

6" H-Class R-Series - supports HF and UHF modules

| Model | | | |
|--------------------|--------------------|--------------------|--------------------|
| H-6210 | H-6308 | H-6212X | H-6310X |
| Resolution | | | |
| 203 dpi (8 dpmm) | 300 dpi (12 dpmm) | 203 dpi (8 dpmm) | 300 dpi (12 dpmm) |
| Print Speed | | | |
| 10 ips (254 mm/s) | 8 ips (203 mm/s) | 12 ips (304 mm/s) | 10 ips (254 mm/s) |
| Max Print Width | | | |
| 6.61 in (167.9 mm) | 6.40 in (162.6 mm) | 6.61 in (167.9 mm) | 6.40 in (162.6 mm) |

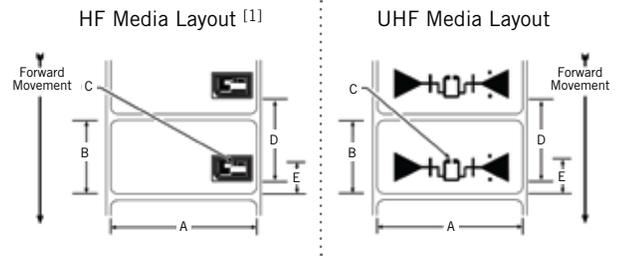
4" H-Class R-Series - supports HF and UHF modules

| Model | | | | | | |
|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| H-4212 | H-4408 | H-4310 | H-4606 | H-4212X | H-4310X | H-4606X |
| Resolution | | | | | | |
| 203 dpi (8 dpmm) | 406 dpi (16 dpmm) | 300 dpi (12 dpmm) | 600 dpi (24 dpmm) | 203 dpi (8 dpmm) | 300 dpi (12 dpmm) | 600 dpi (24 dpmm) |
| Print Speed | | | | | | |
| 12 ips (304 mm/s) | 8 ips (203 mm/s) | 10 ips (254 mm/s) | 6 ips (152 mm/s) | 12 ips (304 mm/s) | 10 ips (254 mm/s) | 6 ips (152 mm/s) |
| Max Print Width | | | | | | |
| 4.09 in (103.9 mm) | 4.09 in (103.9 mm) | 4.16 in (105.7 mm) | 4.16 in (105.7 mm) | 4.09 in (103.9 mm) | 4.16 in (105.7 mm) | 4.16 in (105.7 mm) |

A-Class Mark II R-Series - supports UHF modules

| Model | | | | | |
|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| A-4212 | A-4310 | A-4408 | A-4606 | A-6212 | A-6310 |
| Resolution | | | | | |
| 203 dpi (8 dpmm) | 300 dpi (12 dpmm) | 406 dpi (16 dpmm) | 600 dpi (24 dpmm) | 203 dpi (8 dpmm) | 300 dpi (12 dpmm) |
| Print Speed | | | | | |
| 12 ips (304 mm/s) | 10 ips (254 mm/s) | 8 ips (203 mm/s) | 6 ips (152 mm/s) | 12 ips (304 mm/s) | 10 ips (254 mm/s) |
| Max Print Width | | | | | |
| 4.09 in (103.9 mm) | 4.16 in (105.7 mm) | 4.09 in (103.9 mm) | 4.16 in (105.7 mm) | 6.61 in (167.9 mm) | 6.40 in (162.6 mm) |

Inlay Specifications



Definitions [2]

| Designator | Description | Dimension |
|------------|-------------------------|-------------------------|
| A | Label Width | model specific |
| B | Label Lengths | up to 99.99" (2539.7mm) |
| C | Chip Location Tolerance | ± 0.05" (± 1.3mm) |
| D | Label Pitch (minimum) | 1.75" (44.4mm) |
| E | Chip Inlay Location | 1.1" (27.94mm) |

[1] The HF RFID chip inlay location can be left, right, or center justified.

[2] Definitions referenced by looking down onto the labeling side of the media and from the leading edge of the label (or tag) as it moves forward through the printer.