

## COLOR LABEL PRINTING MODULE

The color label printing module dynamically prints a full-color high-resolution label and affixes it to a card. This module allows edge-to-edge printing on different label sizes using inkjet printing technology.

- Prints 800 dpi images, text, bar codes, and graphics
- Enables edge-to-edge full-color printing on DATACARD® blank white label stock
- Verifies label to card accuracy within the module
- Create label images using the label layout tool available in the system controller or prepare them in an offline tool
- Utilizes DATACARD® certified supplies for high-quality printing
- Senses and maintains internal module humidity levels with the use of the optional humidifier kit

### Color Label Printing Module Specifications

<b>Module Functionality</b>	Dynamic full-color label printing and affixing
<b>Printing Technology</b>	Inkjet powered by Memjet™, supports ICC workflows
<b>Resolution</b>	800 dpi
<b>Text Formats</b>	Scalable fonts, including TrueType and OpenType fonts for Microsoft® Windows® operating systems
<b>Image Formats</b>	Certain versions or features of the following image formats may be supported: BMP, GIF, JPEG, JPEG 2000, PNG, and TIF; for additional information contact your local sales representative
<b>Label Types Supported</b>	The color label printing module requires the exclusive use of DATACARD® blank labels DATACARD® UltraPrint™ labels will not work in this module
<b>Label Sizes Available</b>	<ul style="list-style-type: none"> <li>• 3.000 x 1.000 in. (76.20 x 25.40 mm)</li> <li>• 2.240 x 0.980 in. (56.90 x 24.89 mm)</li> <li>• 2.000 x 0.625 in. (50.80 x 15.88 mm)</li> <li>• 2.750 x 0.780 in. (69.85 x 19.81 mm)</li> </ul>
<b>Label Placement</b>	<ul style="list-style-type: none"> <li>• 1.0 in. (25.4 mm) from the bottom of the card</li> <li>• 0.125 in. (3.175 mm) from the top of the card</li> <li>• 0.10 in. (2.54 mm) from the right or left edge of the card</li> </ul>
<b>Label Placement Accuracy</b>	Vertical: 0.05 in. (1.27 mm); Horizontal: 0.05 in. (1.27 mm)
<b>Bar Code Printing Formats Supported</b>	One-dimensional (1D): Code 39, Extended Code 39, HIBC, Codabar, NW7, EAN8, EAN13, JAN8, JAN13, UPCA, UPCE, Bookland, Interleaved 2 of 5, Code 128, EAN/UCC 128, Code 93, MSI Plessey; Two-dimensional (2D): QR, PDF417, Data Matrix
<b>Label Bar Code Printing Requirements</b>	<ul style="list-style-type: none"> <li>• One-dimensional (1D) bar codes narrowest width of space or bar in bar code: 0.00375 in.</li> <li>• Two-dimensional (2D) bar codes minimum height and width: 0.090 in.</li> <li>• Bar codes printed in black on white recommended</li> </ul>
<b>Bar Code Placement</b>	For bar codes printed on the interior of a label 0.25 in. (6.35 mm) or larger, white space must be present before and immediately after bar code. Bar code should not overlap an image
<b>Label Verification Options Supported</b>	<p>Bar code:</p> <ul style="list-style-type: none"> <li>• Two-dimensional (2D): Data Matrix, QR</li> <li>• Data Matrix minimum height and width is 0.090 in. generated from MX Controller software; QR minimum height and width is 0.090 in. customer generated</li> <li>• Bar codes printed in black on white recommended</li> </ul> <p>Reference Data Matching:</p> <ul style="list-style-type: none"> <li>• Recommend testing prior to implementation (may affect throughput)</li> <li>• Optical Character Verification (OCV) text requires minimum height (0.06 in.), characters must not be touching</li> </ul>
<b>Intelligent Supplies Technology™</b>	Color Label Printing Module requires the exclusive use of DATACARD® Certified Supplies featuring patented Intelligent Supplies Technology™. Features include: <ul style="list-style-type: none"> <li>• Automatic supply recognition</li> <li>• Verification of proper label loaded for job</li> <li>• Verify image not printing beyond label boundaries</li> </ul>
<b>Operator Notifications</b>	Color Label Printing Ink and Labels <ul style="list-style-type: none"> <li>• Supply (ink and label) low</li> <li>• Supply (ink and label) out</li> <li>• Maintenance consumables (printhead, cleaning roller, waste ink blotting pad) low</li> <li>• Printer status</li> <li>• Printhead maintenance progress</li> <li>• Low water operating condition</li> </ul>
<b>Card Types Supported</b>	Alternative card thickness can be made available upon request
<b>Card Materials Supported</b>	See system level specifications; no further limitations



Color Label Printing Module Supported Systems				
Available Systems	MX9100™ System	MX8100™ System	MX6100™ System	MX2100™ System
Rated Speed	Up to 4,000 CPH	Up to 3,000 CPH	Up to 1,800 CPH	Not Available UltraPrint™ Option Available — See the Label Affixing Module data sheet
Allowed Quantity	Up to 3 modules per system			
Module Configurations	<ul style="list-style-type: none"> <li>Module applies the label to the front of the card; for backside labels card flipper modules are required</li> <li>Humidifier Kit option</li> </ul>			
System Considerations	<ul style="list-style-type: none"> <li>System can be configured with both a Color Label Printing Module and a Label Affixing Module for use with pre-printed labels</li> <li>Multiple modules allowed in system to accommodate different label sizes</li> <li>Requires Controller Software v6.9 or higher</li> <li>Humidifier Kit option requires Controller Software v6.13 or higher</li> </ul>			
Operating Requirements	Room Temperature 65° F to 80° F (18° C to 27° C) Relative Humidity: 35-85% (Non-condensing)			
Module Dimensions	50.1 in. H x 30.0 in. W x 27.0 in. D (127.3 cm x 76.2 cm x 68.6 cm) With Humidifier Kit: 50.1 in. H x 30.0 in W x 33.5 in D (127.3 cm x 76.2 cm x 85.1 cm)			
Weight	380.0 lbs (172.4 kg) With Humidifier Kit: 405.0 lbs (183.7 kg)			
Current Draw	1.65 Amps at 230V			
Heated Output	Average of 1,171 BTUs per hour			

### Color Label Printing Module Supplies Featuring patented Intelligent Supplies Technology™

Item Number	Description	Yield/Roll (approx.)
512134-050	Cyan ink cassette	Ink usage varies depending on image design
512134-051	Magenta ink cassette	
512134-052	Yellow ink cassette	
512134-053	Black ink cassette	
512495-001	Plastic gloss label, white 3.00 in x 1.00 in (7.62 cm x 2.54 cm)	6,000
512495-002	Plastic gloss label, white 2.75 in x 0.78 in (6.98 cm x 1.98 cm)	7,200
512495-003	Plastic gloss label, white 2.24 in x 0.98 in (5.69 cm x 2.49 cm)	6,000
512495-004	Plastic gloss label, white 2.00 in x 0.62 in (5.08 cm x 1.59 cm)	9,000
512494-001	Paper gloss label, white 3.00 in x 1.00 in (7.62 cm x 2.54 cm)	6,000
512494-002	Paper gloss label, white 2.75 in x 0.78 in (6.98 cm x 1.98 cm)	7,200
512494-003	Paper gloss label, white 2.24 in x 0.98 in (5.69 cm x 2.49 cm)	6,000
512494-004	Paper gloss label, white 2.00 in x 0.62 in (5.08 cm x 1.59 cm)	9,000
514073-001	Replacement printhead kit	N/A
811714-103	Microfiber cleaning roller	Up to 220,000
513009-001	Ink blotting pad	Up to 500,000
514117-001	Inkjet flushing kit	N/A
812357-001	Bacteriostatic solution	N/A

Learn more about the unmatched selection of innovative card personalization capabilities of the MX Series at [entrust.com](http://entrust.com).  
**Contact us today at [info@entrust.com](mailto:info@entrust.com)**

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Yields are approximates. Actual yields may vary due to image print size, card job size, system configuration, and other waste factors.

The Color Label Printing Module requires the exclusive use of DATACARD® certified supplies featuring patented Intelligent Supplies Technology™ including ink, label, and printheads.