

Datacard

Magna Class card printers with Advanced Imaging Technology

World's broadest selection of mid-volume card printers

Datacard Group's extensive portfolio of card printers includes the Magna™ Class—six high-speed models designed to provide mid-volume card issuance programs with exceptional performance, unsurpassed reliability and simplicity of operation.

The Magna Class printers let you choose full-color or one-color printing on one or both sides of a card—and the option to add DuraGard® laminates or topcoats for maximum card durability and security.

Wide range of models and features

The ImageCard® M, M2, ML and M2L models print up to 180 cards per hour in full color, letting you choose between one-sided or duplex printing, with or without inline laminate or topcoat application.

The UltraGrafix® M and M2 offer similar choices in monochrome printing—at up to 650 card-per-hour print speed. All six models feature “edge-to-edge” printing for maximum card design flexibility, with optional smart card personalization, magnetic stripe encoding or both.

Workhorses for a variety of demands

Magna Class printers deliver the ideal solution for issuing student IDs at secondary schools, colleges and universities, and for organizations that provide secure access control systems and employee badges.



Extremely easy to learn and use

Like all Datacard printers, Magna Class models offer the ultimate in simplicity. A few mouse clicks let you configure ribbon type, card orientation, duplex printing, image intensity and more, and a “smart” printer driver automatically alerts you with on-screen prompts, online



help and intuitive step-by-step instructions.

Industry-leading warranty coverage

Datacard offers an extended, 18-month depot service warranty on all parts and labor for Magna Class printers, including printheads. Printhead coverage involves no pass restrictions and no prorating of printhead replacement costs. We also offer a full menu of optional coverage to help ensure the lowest cost of ownership over the long term.

Robust features maximize uptime and cost-efficiency

Magna Class printers integrate several innovative features you will not find anywhere else. For example, the operator-replaceable printhead requires no tools and helps eliminate expensive service calls by letting you install new printheads yourself in a matter of minutes. A continuous cleaning system helps create longer intervals between required maintenance, which helps to ensure the longest life possible from every printhead you install.



The Magna™ Class printers with Advanced Imaging Technology™ include six rugged models that let you choose full- or one-color printing, on one or both sides of a card, with or without inline laminate or topcoat capabilities.

ADVANCED IMAGING TECHNOLOGY™

Sharper images, greater productivity

Magna™ Class printers feature Advanced Imaging Technology™—Datacard's latest breakthrough in card image quality. This innovation leverages optimized print ribbons and user-adjustable image and color controls to give you:

- Smooth and uniform solid backgrounds
- Improved color matching with cameras and scanners
- Extremely sharp images and fine-text reproduction
- Enhanced bar code printing

Exclusive ribbons maximize Magna printer performance

Magna™ Class card printers with Advanced Imaging Technology™ feature Datacard® proprietary Platinum™ Series ribbons which are designed specifically for Magna printers. If another color ribbon is installed, the printer will continue to prompt the user to install Datacard's proprietary Platinum Series ribbons. The printer will only successfully print cards when Platinum Series ribbons are installed. Datacard is your exclusive source for Platinum Series ribbons.

Magna Class card printer features

	ImageCard® M	ImageCard® M2	ImageCard® ML	ImageCard® M2L	UltraGrafix® M	UltraGrafix® M2
Print colors	full-color	full-color	full-color	full-color	one-color	one-color
Printing	one-sided	duplex	one-sided	duplex	one-sided	duplex
Print speed* (CPH)	up to 180	up to 110	up to 200	up to 150	up to 650	up to 290
Laminator module	not available	not available	choose topcoat or DuraGard laminate	choose topcoat or DuraGard laminate	not available	not available
Card cleaning	yes	yes	yes	yes	yes	yes
Operator-replaceable printhead	yes	yes	yes	yes	yes	yes
Exclusive "smart" printer driver	Windows Me, 2000, '98, NT, XP	Windows Me, 2000, '98, NT, XP	Windows Me, 2000, '98, NT, XP	Windows Me, 2000, '98, NT, XP	Windows Me, 2000, '98, NT, XP	Windows Me, 2000, '98, NT, XP
Error prompts	audio/visual	audio/visual	audio/visual	audio/visual	audio/visual	audio/visual
Magnetic stripe encoding	optional	optional	optional	optional	optional	optional
Smart card personalization with coupler	no	optional	no	optional	no	no
Both smart card & magnetic stripe encoding	no	optional	no	optional	no	no
Smart card "ready"	no	optional	no	optional	no	no

* See specifications below for detail.

Standard features

- Operator-replaceable printhead
- One-step ribbon and cartridge replacement
- "Smart" printer driver
- Inline application of T Panel
- Edge-to-edge printing
- Continuous cleaning system
- "True" exception card system
- Automatic card feed (cartridge)
- Audio and visual error prompts
- 18-month printer warranty
- 18-month printhead warranty with no pass restrictions
- Print speed:
 - ImageCard M: up to 180 cards per hour (YMCKT ribbon) in simplex mode
 - ImageCard M2: up to 110 cards per hour (YMCKTKT) in duplex mode
 - ImageCard ML: up to 200 cards per hour (YMCK) in simplex printing and lamination mode
 - ImageCard M2L: up to 150 cards per hour (YMCK) in duplex printing and lamination mode
 - UltraGrafix M: up to 650 cards per hour (K) in simplex mode
 - UltraGrafix M2: up to 290 cards per hour (K) in duplex mode

Options

- Laminator module
- Topcoat module
- Dual-sided lamination (duplex printing only)
- Magnetic stripe encoding
- Smart card personalization (duplex printing only)
- Magnetic stripe encoding with smart card personalization (duplex printing only)
- Inline duplex printing
- Direct networking kit
- Printer security
- Card security

Specifications

- Physical dimensions with laminator: 13.0 in. x 10.0 in. x 31.0 in. (330mm x 254mm x 787mm)
- Weight with laminator: 42 lbs. (19.4kg)
- Physical dimensions without laminator: 13.0 in. x 10.0 in. x 27.0 in. (330mm x 254mm x 686mm)
- Weight without laminator: 36 lbs. (16.3kg)
- Print capabilities
 - Monochrome, black-and-white photos
 - Full-color photos (ImageCard M, ImageCard M2, ImageCard ML and ImageCard M2L)
 - Alphanumeric text, logos, digitized signatures
 - Variety of bar codes
 - Background patterns
- Print area: anywhere on card except raised surfaces (signature panel, etc.)
- Print resolution: 300 dpi
- Protective overlay capabilities:
 - Inline application of T Panel, .5 or 1.0 mil polyester laminate, clear or holographic topcoat
 - Laminate area: 3.24 in. x 2.0 in. (82mm x 51mm)
 - Topcoat area: edge to edge
- Magnetic stripe encoding:
 - Tracks 1, 2, 3
 - High or low coercivity
- Electrical requirements: Dual-voltage auto-sensing
 - 110/120V, 50/60 Hz
 - 220/240V, 50/60 Hz
- Communications: Parallel ECP, USB
- Plastic cards accepted:
 - Size: 3.375 in. x 2.125 in. (85.7mm x 54.0mm)
 - Type: PVC with glossy overlamine surface (other core materials with PVC over laminates are optional)
 - Thickness:
 - .02 in. (.50mm) to .05 in. (1.3mm); accommodates most proximity cards
 - .02 in. (.50mm) to .03 in. (0.8mm) with smart card module or magnetic stripe
 - Automatically adjusts to accommodate random card thicknesses (non-lamination models only) (.03 to .05 lamination)

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