

KEY TECHNOLOGIES

- Magnetic Stripe Encoding
- Smart Card Personalization
- Single-step Color Printing
- Graphics Printing
- Laser Engraving
- Basic Topcoat
- Datacard® DuraGard® Laminate
- Embossing/Indent Printing
- Topping
- Label Affixing
- Bar Code Scanning
- · Quality Checking
- Datacard® MXD™ Lite card delivery system
- Datacard® MXi[™] envelope insertion system

Affordable and secure centralized card issuance

Take your card program to the next level of efficiency for a minimal capital investment. The Datacard® MX1100™ card issuance system helps card issuers take an affordable first step into centralized card issuance. The system offers a unique combination of low cost-per-card and proven Datacard quality, reliability and ease-of-use for expanding card programs.

- A choice of pre-configured systems. The MX1100 system is available in several value-priced fixed configurations with or without smart card capabilities allowing you the flexibility to choose the configuration that meets the specific needs of your card program.
- Proven design from a trusted partner. Based on Datacard Group's industry leading
 central issuance platforms, the MX1100 system consistently demonstrates superior
 productivity and security in incredibly demanding issuance environments worldwide.
 Multiple physical and logical security features reduce the risk of fraud and theft without
 slowing the issuance process.
- A complete card-to-envelope solution. The Datacard® MXD™ Lite card delivery and Datacard® MXi™ envelope insertion systems seamlessly integrate with the MX1100 system to enhance your overall card operations. In one automated process, you can affix cards and add marketing insertions into an envelope for a complete card-to-envelope solution.



The MX1100 system is available in several valuepriced, fixed configurations that are ideal for issuing highly secure national ID, driver's licenses, healthcare cards and credit, debit, prepaid and membership cards.

KEY TECHNOLOGIES

Physical and Logical Security

The MX1100 system offers multiple lines of defense to help reduce the risk of fraud and theft. Logical safeguards protect cardholder and production data, while physical security features limit access to the system controller, card stock and supplies.

System Controller Software

Centralized controls and an intuitive interface allows operators to manage all system functions — data input, job setups, card layout design, production environment, error/remake management and audit/reconciliation management.

Magnetic Stripe Encoding

Write and verify up to three tracks of data simultaneously on ID-1 or mini-cards. Flexible mounting of encoding heads accommodate a wide range of encoding needs. The system provides read/lookup and read/verify functions to automate downstream personalization. It supports all ISO, AAMVA and JIS encoding formats with common coercivity requirements.

Single-Step Color Printing

Print full-color, 300 dpi photos, graphics, logos and images directly on the card using dye diffusion thermal transfer (D2T2) technology. The system allows for near edge-to-edge printing and provides a lowcost color output in a compact footprint. The single-step color printing package includes your choice of basic topcoat or DuraGard laminate.

Graphics Printing

Thermal technology enables card issuers to print 300 dpi monochrome, custom graphics, including text, logos and bar codes. Near edge-to-edge printing and precise placement tolerances deliver excellent results on PVC cards. Flexible configurations allow customers to print different colors on a single side, or print front and back graphics in a single pass.

Laser Engraving

State-of-the-art fiber optic laser engraving technology delivers exceptional quality. It delivers variable-size photos, alphanumeric text, 1D and 2D bar codes, microengraving, black-and-white logos and other gray scale resolution. The system allows



KEY TECHNOLOGIES

Basic Topcoat

Protect color printed images with a true edge-to-edge layer of clear or holographic topcoat. A variety of application rollers are available to meet card program needs..

DuraGard® Lamination

Issuers who require extended card durability and security can replace basic topcoat with DuraGard laminate — a polyester patch that offers extra protection. Laminate supplies are available in clear and holographic options.

Embossing/Indent Printing

Personalize cards using high-quality, ISO-compliant embossing and indent printing on front, back or both sides of cards designed to maximize reliability and uptime. Its unique card-track design holds cards securely during embossing to provide consistent character-to-character spacing, text height and alignment. The large metal emboss wheel enables the use of multiple fonts and support a wide range of characters, including Braille and security fonts.

Topping

Colored topping material increases readability of embossed characters. The system delivers consistent, high-quality topping, card after card — exceeding ISO standards.

Label Affixing

Increase production efficiency by affixing adhesive labels to cards for security, activation or promotional programs.

Bar Code Scanning

For additional security, the system can read a variety of preprinted serial numbers, document control numbers and bar codes used to control and monitor secure card stocks providing an additional layer of fraud prevention.

Quality Checking

Automate your quality process with the inline quality checking option. It verifies a wide variety of pre-printed and personalized elements on the front and/or back of cards to help reduce the chance of errors, improve data integrity and increase efficiency.

MX1100 SYSTEM CONFIGURATIONS

| | MX1100 (G) Graphics | MX1100 (GS) Smart Card Enabled | MX1100 (E) Emboss | MX1100 (ES) Smart Card Enabled | MX1100 (L) Laser | MX1100 (LS) Smart Card Enabled |
|----------------------------------|--|---|-----------------------------------|-----------------------------------|---------------------------------|-----------------------------------|
| TARGET APPLICATIONS | Driver's License Healthcare, Gift Credit, Direct Mail, Membership | National ID, Healthcare, Flat Credit Driver's License, Gift | Financial, Credit, Debit, Gift | EMV, Credit Debit, Gift | National ID, Social Security | National ID, Driver's License |
| Base System | • | • | • | • | • | • |
| Magnetic Stripe | Option | Option | Option | Option | Option | Option |
| Smart Card | | • | | • | | • |
| Laser Engraving | | | | | • | • |
| Single-step Color | Clr Pkg | Clr Pkg | Clr Pkg | Clr Pkg | Cir Pkg | Clr Pkg |
| Graphics 1 | • | • | Option | Option | Option | Option |
| Graphics 2 | Option | Option | Option | Option | Option | Option |
| Graphics 3 | Option | Option | Option | Option | Option | Option |
| Basic Topcoat | Clr Pkg | Clr Pkg | Clr Pkg | Clr Pkg | Cir Pkg | Clr Pkg |
| Embossing | | | • | • | Option | Option |
| Topping | | | • | • | | |
| Label Affixing | Option | Option | Option | Option | Option | Option |
| Bar Code Scanning | Option | Option | Option | Option | Option | Option |
| DuraGard Laminate | Replaces Basic Topcoat | Replaces Basic Topcoat | | | Replaces Basic Topcoat | Replaces Basic Topcoat |
| Quality Checking | Option | Option | Option | Option | Option | Option |
| Base System Specification | S | | | | | |
| Rated Speed | Up to 600 cph | · | · | | · | · |
| Operating System | Microsoft® Windows® XP Professional | | | | | |
| Card Types Supported | ISO/IEC 7810 ID-1 Size; 30 mil (±10%) | | | | | |
| Card Materials | All card materials can be processed, including PVC, composite, polycarbonate, ABS, PET and PETG. Laser engraving recommended for polycarbonate, composite or PVC with special layer. Color printing recommended for PVC or PVC laminated cards. When combining laser and color card material must be tested for compatibitlity. Limitations may exist for each personalization technology. | | | | | |
| Agency Approvals | FCC, UL, CUL and ROHS | compliant | | | | |

| | \$ | | | | | |
|--|--|---|--|--|--|--|
| System Controller | Intel® Xeon® Ou | Intel® Xeon® Quad Core, 2.4 GHz; Memory 4.0 GB; Hard Drive 500 GB | | | | |
| Card Input/Output Trays | Up to 550 cards (less for embossed) | | | | | |
| Magnetic Stripe Encoding | - | ion ISO, AAMVA and JIS formats; High, low and JIS coercivity | | | | |
| Magnetic Stripe Elicoding | | Custom encoding 75 and 210 bpi (bits per inch) Custom encoding selections from 75 to 315 bpi | | | | |
| Smart Card Personalization | Combination: | Contact programming stations: 1 to 11 | | | | |
| | | Contactless programming stations: 1 to 6 | | | | |
| | | Full support as documented below for all protocols, frequencies and communication speeds | | | | |
| | Contact: | Programming stations: 1 to 11 | | | | |
| | | Protocols supported: Full ISO 7816-3, T=0/T=1 Frequencies (clock speeds): 3.579 MHz, 4.915 MHz, 7.159 MHz and 9.830 MHz Supports communication speeds as defined by ISO 7816-3 up to 230K bps | | | | |
| | Contactless: | Programming stations: 1 to 6; Full and top-half antenna supported | | | | |
| | | Protocols supported: ISO 14443 Type A, Type B, Philips MIFARE®, Sony FeliCa® Frequencies (clock speeds): 13.56 MHz | | | | |
| Single-Step Color Printing | Resolution: | Supports communication speeds of 106, 212, 424 and 847 Kbps 300 dpi | | | | |
| omgre-step color rimmig | Text Formats: Image Formats Placement: | Scalable fonts, including TrueType fonts for Microsoft® Windows® operating systems Certain versions or features of the following image formats may be supported: BMP, DCT (Datacard 9000 UltraGrafix® monochrome image format), DCP, DPEG Datacard 9000 color image format), GIF 87, GIF 89, JPEG, JPEG 2000, PCX, PNG, TGA and TIFF. For additional information contact your local sales representative. Near edge-to-edge - 0.1 in. (2.54 mm) from card edge, chip or cutout | | | | |
| Graphics Printing | Resolution: | Entire front and back surface of the card in one pass 300 dpi | | | | |
| arapines Filliung | Text Formats: Bar Code Form | Scalable fonts, including TrueType fonts for Microsoft® Windows® operating systems ats: | | | | |
| | | One-dimensional (1D): Code 39, Code 3 of 9, Code 39 Extended, Code 39 HIBC, Codabar, NW7, EAN8, JAN8, EAN13, JAN13, UPCA, UPCE, Booklan, Interleaved 2 of 5, Code 128, EAN_UCC128, Code 93, MSI Plessey, UK Plessey | | | | |
| | Image Ferry -t- | Two-dimensional (2D): PDF417 and Data Matrix Contain versions or features of the following inverse formats, may be supported. PMP, DCT /Detected 0000 LillteCraftive | | | | |
| | image romats | Certain versions or features of the following image formats may be supported: BMP, DCT (Datacard 9000 UltraGrafix® monochrome image format), DCP, DPEG (Datacard 9000 color image format), GIF 87, GIF 89, JPEG, JPEG 2000, PCX, | | | | |
| | | PNG, TGA and TIFF. For additional information contact your local sales representative. | | | | |
| | | ar edge-to-edge - 0.1 in. (2.54 mm) from card edge, chip or cutout | | | | |
| | | Entire front and back surface of the card in one pass | | | | |
| Laser Engraving | Technology: Capabilities: | Air cooled fiber laser; Class 1 Laser Product Pixel engraving: text, photos, bar codes, and other digitized images; Vector engraving; text; Micro-engraving; | | | | |
| | Capabilitiosi | Tilted image engraving; CLI (standard), MLI (option), 3D photo (option) | | | | |
| | Resolution: | Greater than 400 dpi; grayscale | | | | |
| | Elements: | Photos, alphanumeric text, vector text, bar codes, signature, fingerprint, black-and-white logos, graphic images, scrambled indicia, tilted images, ghost images, micro-engraving | | | | |
| | Text Formats: | Scalable fonts, including TrueType fonts for Microsoft® Windows® operating systems | | | | |
| | Bar Code Form | ats: One-dimensional (1D): EAN13, Code 39, Code 3 of 9, Code 128, Interleaved 2 of 5 | | | | |
| | Image formats | Two-dimensional (2D): PDF417, Data Matrix, QR JPEG (.jpg),TIFF (.tif), Bitmap (.bmp), PNG (.png) | | | | |
| Basic Topcoat | | ge embossable topcoat. Available in clear and random or registered custom holographics | | | | |
| DuraGard® Laminate | | in approximately 0.03 in. (0.081 cm) of card edges. Card-to-card placement tolerance of less than | | | | |
| | | Thickness: 2.06 in. x 3.31 in. (5.23 cm x 8.41 cm); 1.0 mil thick | | | | |
| Embossing | Up to 8 lines of | embossing | | | | |
| | | front, rear or both sides of the card | | | | |
| | EIIIDOSS and ini | dent print placement Vertical: 0.16 in. (4 mm) to 1.46 in. (37.1 mm) from bottom edge of card to center line | | | | |
| | | Horizontal: 0.10 in. (2.5 mm) to 3.2 in. (83.2 mm) from left edge of card to center line | | | | |
| | Wide variety of | characters and fonts: | | | | |
| | | 112-character wheel accomodates multiple fonts and special characters Standard fonts: OCR-A, OCR-B, Standard Gothic, Helvetica, Farrington, Katakana | | | | |
| | | Special, custom and secure fonts | | | | |
| | | International language characters | | | | |
| Topping | | etermines the appropriate topping area based on prior embossing | | | | |
| | Placement: Vertical: | 1.54 in (39.1 mm) measured from bottom edge of the card to uppermost character edge and 0.095 in. (2.4 mm) | | | | |
| | 10.0.00 | measured from bottom edge of the card to lowermost character edge | | | | |
| | | 3.08 in. (78.3 mm) measured from left edge of card to final character edge and 0.24 in. (6.1 mm) measured from | | | | |
| | Horizontal: | left edge of card to first character edge | | | | |
| | | left edge of card to first character edge only be applied to cards that are embossed in the same production run | | | | |
| Label Affixing | Topping foil car | n only be applied to cards that are embossed in the same production run ported: | | | | |
| Label Affixing | Topping foil car Label types sup Utlizes the s | n only be applied to cards that are embossed in the same production run ported: ame supplies as the Datacard® MX6000™ card issuance system and the Datacard® 9000 Series card issuance system | | | | |
| Label Affixing | Topping foil car Label types sup Utlizes the s Preprinted I | n only be applied to cards that are embossed in the same production run ported: | | | | |
| Label Affixing | Topping foil cal Label types sup Utilizes the Preprinted I Label Size: | n only be applied to cards that are embossed in the same production run ported: ame supplies as the Datacard® MX6000™ card issuance system and the Datacard® 9000 Series card issuance system | | | | |
| Label Affixing | Topping foil cal Label types sup Utilizes the s Preprinted label Size: Minimum: h Maximum: h | n only be applied to cards that are embossed in the same production run ported: ame supplies as the Datacard® MX6000™ card issuance system and the Datacard® 9000 Series card issuance system abels (see Datacard specification document 530202-001) leight: 0.625 in. (15.9 mm), Width: 1.0 in. (25.4 mm) leight: 1.0 in. (25.4 mm), Width: 3.0 in. (76.2 mm) | | | | |
| Label Affixing | Topping foil cal Label types sup Utlizes the s Preprinted I. Label Size: Minimum: H Maximum: Label Placemei | n only be applied to cards that are embossed in the same production run ported: ame supplies as the Datacard® MX6000™ card issuance system and the Datacard® 9000 Series card issuance system abels (see Datacard specification document 530202-001) leight: 0.625 in. (15.9 mm), Width: 1.0 in. (25.4 mm) leight: 1.0 in. (25.4 mm), Width: 3.0 in. (76.2 mm) | | | | |
| Label Affixing | Topping foil can Label types sur Utlizes the e Preprinted I Label Size: Minimum: H Maximum: I Label Placemei 1.0 in. (25, 0.125 in. (3 | n only be applied to cards that are embossed in the same production run ported: ame supplies as the Datacard® MX6000™ card issuance system and the Datacard® 9000 Series card issuance system abels (see Datacard specification document 530202-001) leight: 0.625 in. (15.9 mm), Width: 1.0 in. (25.4 mm) leight: 1.0 in. (25.4 mm), Width: 3.0 in. (76.2 mm) it: 4 mm) from the bottom of the card .175 mm) from the top of the card | | | | |
| · | Topping foil cal Label types sur Utilizes the : Preprinted I Label Size: Minimum: I Maximum: I Label Placemei 1.0 in. (25. 0.125 in. (6. 0.10 in. (2. | n only be applied to cards that are embossed in the same production run ported: ame supplies as the Datacard® MX6000™ card issuance system and the Datacard® 9000 Series card issuance system abbels (see Datacard specification document 530202-001) leight: 0.625 in. (15.9 mm), Width: 1.0 in. (25.4 mm) leight: 1.0 in. (25.4 mm), Width: 3.0 in. (76.2 mm) it: 4 mm) from the bottom of the card 1.75 mm) from the top of the card 1.75 mm) from the right or left edge of the card | | | | |
| Label Affixing Bar Code Scanning | Topping foil cal Label types sur Utilizes the : Preprinted I Label Size: Minimum: I Maximum: I Label Placemei 1.0 in. (25. 0.125 in. (6. 0.10 in. (2. | n only be applied to cards that are embossed in the same production run ported: ame supplies as the Datacard® MX6000™ card issuance system and the Datacard® 9000 Series card issuance system ables (see Datacard specification document 530202-001) leight: 0.625 in. (15.9 mm), Width: 1.0 in. (25.4 mm) leight: 1.0 in. (25.4 mm), Width: 3.0 in. (76.2 mm) It: 4 mm) from the bottom of the card 1.75 mm) from the top of the card 34 mm) from the right or left edge of the card ats: One-dimensional (1D): EAN12, Code 39, Code 3 of 9, Code 128 and Interleaved 2 of 5 | | | | |
| · | Topping foil can Label types sur Utlizes the e Preprinted I Label Size: Minimum: F Maximum: E Label Placeme 1.0 in. (25. 0.125 in. (3. 0.10 in. (2. Bar Code Form | n only be applied to cards that are embossed in the same production run ported: ame supplies as the Datacard® MX6000™ card issuance system and the Datacard® 9000 Series card issuance system abbels (see Datacard specification document 530202-001) leight: 0.625 in. (15.9 mm), Width: 1.0 in. (25.4 mm) leight: 1.0 in. (25.4 mm), Width: 3.0 in. (76.2 mm) it: 4 mm) from the bottom of the card 1.75 mm) from the top of the card 1.75 mm) from the right or left edge of the card | | | | |
| · | Topping foil cal Label types sup Utitizes the s Preprinted I Label Size: Minimum: H Maximum: H Label Placemei 1.0 in. (25. 0.125 in. (3. 0.10 in. (2. Bar Code Form Minimum Heig | n only be applied to cards that are embossed in the same production run ported: ame supplies as the Datacard® MX6000™ card issuance system and the Datacard® 9000 Series card issuance system sibels (see Datacard specification document 530202-001) leight: 0.625 in. (15.9 mm), Width: 1.0 in. (25.4 mm) leight: 1.0 in. (25.4 mm), Width: 3.0 in. (76.2 mm) it: 4 mm) from the bottom of the card 1.75 mm) from the top of the card 34 mm) from the right or left edge of the card sts: One-dimensional (1D): EAN12, Code 39, Code 3 of 9, Code 128 and Interleaved 2 of 5 Two-dimensional (1D): either .25" or 0.15 x total length of code whichever is larger Two-dimensional (1D): PDF417: minimum height is twice the length of code | | | | |
| · | Topping foil can Label types sur Utlizes the e Preprinted I Label Size: Minimum: F Maximum: E Label Placeme 1.0 in. (25. 0.125 in. (3. 0.10 in. (2. Bar Code Form Minimum Heig Data Matrix: M | n only be applied to cards that are embossed in the same production run ported: ame supplies as the Datacard® MX6000™ card issuance system and the Datacard® 9000 Series card issuance system ables (see Datacard specification document 530202-001) leight: 0.625 in. (15.9 mm), Width: 1.0 in. (25.4 mm) leight: 1.0 in. (25.4 mm), Width: 3.0 in. (76.2 mm) It: 4 mm) from the bottom of the card 3.175 mm) from the top of the card 34 mm) from the right or left edge of the card ats: One-dimensional (1D): EAN12, Code 39, Code 3 of 9, Code 128 and Interleaved 2 of 5 Two-dimensional (2D): PDF417 and Data Matrix It: One-dimensional (1D): either .25" or 0.15 x total length of code whichever is larger Two-dimensional (2D): PDF417: minimum height is twice the length of code nimum height is dependent on amount of data and size of elements. | | | | |
| · | Topping foil can Label types sur Utlizes the e Preprinted I Label Size: Minimum: H Maximum: H Label Placemei 1.0 in. (25. 0.125 in. (3. 0.10 in. (2. Bar Code Form Minimum Heigi Data Matrix: M Narrowest Widt | n only be applied to cards that are embossed in the same production run ported: ame supplies as the Datacard® MX6000™ card issuance system and the Datacard® 9000 Series card issuance system sibels (see Datacard specification document 530202-001) leight: 0.625 in. (15.9 mm), Width: 1.0 in. (25.4 mm) leight: 1.0 in. (25.4 mm), Width: 3.0 in. (76.2 mm) it: 4 mm) from the bottom of the card 1.75 mm) from the top of the card 34 mm) from the right or left edge of the card sts: One-dimensional (1D): EAN12, Code 39, Code 3 of 9, Code 128 and Interleaved 2 of 5 Two-dimensional (1D): either .25" or 0.15 x total length of code whichever is larger Two-dimensional (1D): PDF417: minimum height is twice the length of code | | | | |
| · | Topping foil can Label types sur Utlizes the e Preprinted I Label Size: Minimum: I Maximum: I Label Placemei 1.0 in. (25. 0.125 in. (6. 0.10 in. (2. Bar Code Form Minimum Heig Data Matrix: M Narrowest Widt UPC 0.013 in. | n only be applied to cards that are embossed in the same production run ported: ame supplies as the Datacard® MX6000™ card issuance system and the Datacard® 9000 Series card issuance system abbels (see Datacard specification document 530202-001) leight: 0.625 in. (15.9 mm), Width: 1.0 in. (25.4 mm) leight: 1.0 in. (25.4 mm), Width: 3.0 in. (76.2 mm) it: 4 mm) from the bottom of the card 1.75 mm) from the top of the card 54 mm) from the right or left edge of the card sts: One-dimensional (1D): EAN12, Code 39, Code 3 of 9, Code 128 and Interleaved 2 of 5 Two-dimensional (2D): PDF417 and Data Matrix othe-dimensional (2D): PDF417: minimum height is twice the length of code minum height is dependent on amount of data and size of elements. h of Space/Bar in Bar Code: Code 39, code 3 of 9, code 128, Interleaved 2 of 5 0.005 in. (0.127 mm) | | | | |
| Bar Code Scanning | Topping foil can Label types sur Utlizes the e Preprinted I Label Size: Minimum: I Maximum: I Label Placemei 1.0 in. (25. 0.125 in. (3 0.10 in. (2. Bar Code Form Minimum Heigi Data Matrix: M Narrowest Widt UPC 0.013 in. Readable Elem and pre-printed | n only be applied to cards that are embossed in the same production run ported: ame supplies as the Datacard® MX6000™ card issuance system and the Datacard® 9000 Series card issuance system ables (see Datacard specification document 530202-001) leight: 0.625 in. (15.9 mm), Width: 1.0 in. (25.4 mm) leight: 1.0 in. (25.4 mm), Width: 3.0 in. (76.2 mm) It: 4 mm) from the bottom of the card 1.75 mm) from the top of the card 34 mm) from the right or left edge of the card 34s: One-dimensional (1D): EAN12, Code 39, Code 3 of 9, Code 128 and Interleaved 2 of 5 Two-dimensional (2D): PDF417 and Data Matrix It: One-dimensional (1D): either .25" or 0.15 x total length of code whichever is larger Two-dimensional (2D): PDF417 minimum height is twice the length of code nimum height is dependent on amount of data and size of elements. In of Space/Bar in Bar Code: Code 39, code 3 of 9, code 128, Interleaved 2 of 5 0.005 in. (0.127 mm) (0.330 mm); PDF417 0.0066 in. (0.167 mm); Data Matrix 0.015 in. (0.381 mm) ents: Basic support for many TrueType fonts for Microsoft® Windows® operating systems; printed graphics, laser, OCR-B (including ICAO MRZ standards for cards)* | | | | |
| Bar Code Scanning | Topping foil can Label types sur Utlizes the e Preprinted I Label Size: Minimum: I Maximum: I Label Placemei 1.0 in. (25, 0.125 in. (3, 0.10 in. (2. Bar Code Form Minimum Heigi Data Matrix: M Narrowest Widt UPC 0.013 in. Readable Elem and pre-printec Image Rotation | n only be applied to cards that are embossed in the same production run ported: ame supplies as the Datacard® MX6000™ card issuance system and the Datacard® 9000 Series card issuance system abbels (see Datacard specification document 530202-001) leight: 0.625 in. (15.9 mm), Width: 1.0 in. (25.4 mm) leight: 1.0 in. (25.4 mm), Width: 3.0 in. (76.2 mm) it: 4 mm) from the bottom of the card 1.75 mm) from the top of the card 2.175 mm) from the right or left edge of the card 3.175 mm) from the right or left edge of the card 3.175 mm) from the right or left edge of the Amatical Strategies of the Card 3.175 mm) from the right or left edge of the card 3.175 mm) from the right or left edge of the card 3.175 mm) from the right or left edge of the card 3.175 mm) from the right or left edge of the card 3.175 mm) from the right or left edge of the card 3.175 mm) from the right or left edge of the card 3.175 mm) from the right or left edge of the card 3.175 mm) from the right or left edge of the card 3.175 mm) from the right or left edge of the card 3.175 mm) from the right or left edge of the card 3.175 mm) from the right or left edge of the card 3.175 mm) from the right is dependent on amount of data data fact or length of code whichever is larger 3.175 mm) from the right is dependent on amount of data and size of elements. 3.175 mm from the right or left edge of the card 3.175 mm) from the right is dependent on amount of data and size of elements. 3.175 mm from the right or left edge of the card 3.175 mm) from the right is dependent on amount of data and size of elements. 3.175 mm) from the right is dependent on amount of data and size of elements. 3.175 mm from the right is dependent on amount of data and size of elements. 3.175 mm from the right is dependent on amount of data and size of elements. 3.175 mm from the right is dependent on amount of data and size of elements. 3.175 mm from the right is dependent on amount of data and size of elements. 3.175 mm from the right is dependent on amount of data and size of eleme | | | | |
| Bar Code Scanning | Topping foil cal Label types sur Utlizes the e Preprinted I Label Size: Minimum: I Maximum: I Label Placemei 1.0 in. (25. 0.125 in. (6. 0.10 in. (2. Bar Code Form Minimum Heigi Data Matrix: M Narrowest Widt UPC 0.013 in. Readable Elem and pre-printec Image Rotation Minimum Verifi | n only be applied to cards that are embossed in the same production run ported: ame supplies as the Datacard® MX6000™ card issuance system and the Datacard® 9000 Series card issuance system ables (see Datacard specification document 530202-001) leight: 0.625 in. (15.9 mm), Width: 1.0 in. (25.4 mm) leight: 1.0 in. (25.4 mm), Width: 3.0 in. (76.2 mm) it: 4 mm) from the bottom of the card 1.75 mm) from the top of the card 1.75 mm) from the right or left edge of the card sts: One-dimensional (1D): EAN12, Code 39, Code 3 of 9, Code 128 and Interleaved 2 of 5 Two-dimensional (2D): PDF417 and Data Matrix t: One-dimensional (1D): either .25" or 0.15 x total length of code whichever is larger Two-dimensional (2D): PDF417: minimum height is twice the length of code nimum height is dependent on amount of data and size of elements. h of Space/Bar in Bar Code: Code 39, code 3 of 9, code 128, Interleaved 2 of 5 0.005 in. (0.127 mm) (0.330 mm); PDF417 0.0066 in. (0.167 mm); Data Matrix 0.015 in. (0.381 mm) ents: Basic support for many TrueType fonts for Microsoft® Windows® operating systems; printed graphics, laser, OCR-B (including ICAO MRZ standards for cards)* Capabilities: Supports rotation at 90, 180 and 270 degrees able Text Size: High-quality, lithographic printing - 0.06 in. (1.52mm) | | | | |
| Bar Code Scanning Quality Checking System Height | Topping foil cal Label types sur Utilizes the e Preprinted I Label Size: Minimum: I Maximum: I Label Placemei 1.0 in. (25. 0.125 in. (6. 0.10 in. (2. Bar Code Form Minimum Heigi Data Matrix: M Narrowest Widt UPC 0.013 in. Readable Elem and pre-printec Image Rotation Minimum Verifi To top of modu | n only be applied to cards that are embossed in the same production run ported: ame supplies as the Datacard® MX6000™ card issuance system and the Datacard® 9000 Series card issuance system ables (see Datacard specification document 530202-001) leight: 0.625 in. (15.9 mm), Width: 1.0 in. (25.4 mm) leight: 1.0 in. (25.4 mm), Width: 3.0 in. (76.2 mm) it: 4 mm) from the bottom of the card 1.75 mm) from the top of the card 1.75 mm) from the right or left edge of the card sts: One-dimensional (1D): EAN12, Code 39, Code 3 of 9, Code 128 and Interleaved 2 of 5 Two-dimensional (1D): bither .25" or 0.15 x total length of code whichever is larger Two-dimensional (2D): PDF417 and Data Matrix t: One-dimensional (1D): bither .25" or 0.15 x total length of code whichever is larger Two-dimensional (2D): PDF417: minimum height is twice the length of code nimum height is dependent on amount of data and size of elements. h of Space/Bar in Bar Code: Code 39, code 3 of 9, code 128, Interleaved 2 of 5 0.005 in. (0.127 mm) (0.330 mm); PDF417 0.0066 in. (0.167 mm); Data Matrix 0.015 in. (0.381 mm) ents: Basic support for many TrueType fonts for Microsoft® Windows® operating systems; printed graphics, laser, OCR-8 (including ICAO MRZ standards for cards)* Capabilities: Supports rotation at 90, 180 and 270 degrees able Text Size: High-quality, lithographic printing - 0.06 in. (1.52mm) e 50.1 in. (127.3 cm) | | | | |
| Bar Code Scanning Quality Checking System Height System Depth | Topping foil can Label types sup Utilizes the series of the following street o | n only be applied to cards that are embossed in the same production run ported: ame supplies as the Datacard® MX6000™ card issuance system and the Datacard® 9000 Series card issuance system ables (see Datacard specification document 530202-001) leight: 0.625 in. (15.9 mm), Width: 1.0 in. (25.4 mm) leight: 1.0 in. (25.4 mm), Width: 3.0 in. (76.2 mm) tt: 4 mm) from the bottom of the card 1.75 mm) from the top of the card 1.75 mm) from the right or left edge of the card sts: One-dimensional (1D): EAN12, Code 39, Code 3 of 9, Code 128 and Interleaved 2 of 5 Two-dimensional (1D): EHP127 and Data Matrix tt: One-dimensional (1D): Either. 25" or 0.15 x total length of code whichever is larger Two-dimensional (2D): PDF417 minimum height is twice the length of code nimum height is dependent on amount of data and size of elements. h of Space/Bar in Bar Code: Code 39, code 3 of 9, code 128, Interleaved 2 of 5 0.005 in. (0.127 mm) (0.330 mm); PDF417 0.0066 in. (0.167 mm); Data Matrix 0.015 in. (0.381 mm) ents: Basic support for many TrueType fonts for Microsoft® Windows® operating systems; printed graphics, laser, OCR-8 (including ICAO MRZ standards for cards)* Capabilities: Supports rotation at 90, 180 and 270 degrees able Text Size: High-quality, lithographic printing - 0.06 in. (1.52mm) en 50.1 in. (127.3 cm) | | | | |
| Bar Code Scanning | Topping foil can Label types sur Utlizes the : Preprinted I Label Size: Minimum: I Maximum: I Label Placeme 1.0 in. (25. 0.125 in. (3 0.10 in. (2. Bar Code Form Minimum Heig Data Matrix: M Narrowest Widt UPC 0.013 in. Readable Elem and pre-printec Image Rotation Minimum Veriff To top of modu 33.8 in. (85.9 | n only be applied to cards that are embossed in the same production run ported: ame supplies as the Datacard® MX6000™ card issuance system and the Datacard® 9000 Series card issuance system ables (see Datacard specification document 530202-001) leight: 0.625 in. (15.9 mm), Width: 1.0 in. (25.4 mm) leight: 1.0 in. (25.4 mm), Width: 3.0 in. (76.2 mm) tt: 4 mm) from the bottom of the card 1.75 mm) from the top of the card 1.75 mm) from the right or left edge of the card sts: One-dimensional (1D): EAN12, Code 39, Code 3 of 9, Code 128 and Interleaved 2 of 5 Two-dimensional (1D): EHP127 and Data Matrix tt: One-dimensional (1D): Either. 25" or 0.15 x total length of code whichever is larger Two-dimensional (2D): PDF417 minimum height is twice the length of code nimum height is dependent on amount of data and size of elements. h of Space/Bar in Bar Code: Code 39, code 3 of 9, code 128, Interleaved 2 of 5 0.005 in. (0.127 mm) (0.330 mm); PDF417 0.0066 in. (0.167 mm); Data Matrix 0.015 in. (0.381 mm) ents: Basic support for many TrueType fonts for Microsoft® Windows® operating systems; printed graphics, laser, OCR-8 (including ICAO MRZ standards for cards)* Capabilities: Supports rotation at 90, 180 and 270 degrees able Text Size: High-quality, lithographic printing - 0.06 in. (1.52mm) en 50.1 in. (127.3 cm) | | | | |

Datacard Group

CORPORATE HEADQUARTERS

Minnetonka, MN +1 952 933 1223 info@datacard.com

ASIA PACIFIC

Hong Kong +852 2866 2613 asiapacific@datacard.com

EUROPE, MIDDLE EAST & AFRICA

Hampshire, UK +44 (0) 1489 555 600 uksales@datacard.com

Datacard, Duragard, UltraGrafix, MX6000, MX1100, MXi and MXD are registered tradeamrks, trademarks and or service marks of DataCard Corporation in the United States and or other countries. Intel and Xeon are registered trademarks of Intel Corporation. Microsoft and Windows are registered trademarks of Microsoft Corporation. FeliCa is a trademark of Sony Kabushiki Kaisha TA Sony Corporation. Mifare is a trademark of PHILIPS SEMICONDUCTORS GRATKORN GMBH. Names and logos on sample cards are ficitious. Any similarity to actual names, trademarks or tradenames is coincidental.

©2012 DataCard Corporation. All rights reserved.

CI12-5009