

## CARD PRINTING & ENCODING

# FARGO® INK1000



### INKJET CARD PRINTER

- **Easy to use** - As simple to use as your home office printer
- **Affordable** - Brings your card designs to life in brilliant 600 dpi x 1200 dpi resolution at a fraction of the cost of ribbon-based card printers
- **Sustainable** - Eliminates wasted ribbon panels with exclusively formulated, Drop-on-Demand (DOD) inks that are compatible with standard, off-the-shelf PVC cards—an industry first
- **Reliable** - Provides outstanding performance and unrivaled quality from the leading brand in card issuance

The HID® FARGO® INK1000 is the latest printer innovation to join HID Global's family of desktop-based card printers. Bringing the simplicity and affordability of inkjet printing to personalized cards and IDs, the HID FARGO INK1000 is unmatched in its ease-of-use and offers a lower TCO (Total Cost of Ownership) than most card printers in the industry.

Ultra-reliable, low maintenance and less expensive than many standard card printers on the market today, the HID FARGO INK1000 features exclusive inkjet printing technology, eliminating the hassles of print ribbons or the need for specialized card media. Easy-to-install, snap-in ink cartridges contain specially formulated inks that naturally adhere to standard, off-the-shelf PVC and composite cards. Because inks are inherently UV-stable, images and text exhibit improved fade resistance compared to DTC-printed cards—even without expensive overlay protectants. Depending on the complexity of your

card design, a single ink cartridge has the potential to produce hundreds more cards than would be possible with print ribbons—bringing your card designs to life with significantly less waste and at a fraction of the cost!

With its high 600 dpi x 1200 dpi resolution, images are sharp and brilliant—and text and barcodes are crisply defined. The INK1000 also offers true edge-to-edge printing to accommodate full card coverage designs, eliminating those pesky white border edges left behind by standard Direct-to-Card printers. What's more, its small footprint with same-side input and output and intuitive operation make the INK1000 perfect for any office environment. It's as simple to use as the inkjet printer in your home or office!

Easy-to-use, affordable and dependable, the HID FARGO INK1000 featuring exclusive inkjet technology is the next revolution in card printing.

#### INK FEATURES:

- Easy-to-install, snap-in ink cartridges contain specially formulated inks that naturally adhere to standard, off-the-shelf PVC cards
- A single cartridge contains YMC (Yellow, Magenta, Cyan) for printing full color card designs and a blend of YMC is used to create composite black
- Inkjet composite black produces scannable barcodes and its high resolution is perfect for printing even complex characters, such as Kanji, Arabic and Cyrillic



## HID FARGO INK1000 CAPABILITIES:

- Thermal inkjet card printing (single-side)
- Full-color, true “edge-to-edge” printing in 600 dpi x 1200 dpi
  - Single ink cartridge (YMC)
  - Composite black is barcode-readable
- Printing on standard PVC card types
  - No special card media required
- Contactless card encoding (optional)
  - Contactless (OMNIKEY® 5127CK-Mini)

## IDEAL FOR:

- Employee/faculty or K-12 student badging—with or without contactless door entry
- Cashless vending
- Time and attendance
- Gift and loyalty stored value cards that utilize barcodes / QR codes
- QR code-based financial cards

## SPECIFICATIONS

|                                       |   |
|---------------------------------------|---|
| <b>Print Method</b>                   | Thermal inkjet  |
| <b>Resolution</b>                     | Up to 600 dpi x 1200 dpi (23.6 dots/mm x 47.2 dots/mm)  |
| <b>Print Mode</b>                     | Single-side   |
| <b>Ink Type</b>                       | The HID FARGO INK1000 printer utilizes a single ink cartridge containing YMC (Yellow, Magenta, Cyan) solvent-based inks for printing full-color card designs and barcode-readable composite black. The composite black created by the HID FARGO INK1000 can accurately reproduce even complex characters, such as Kanji, Arabic and Cyrillic. The easy-to-install, snap-in ink cartridge contains specially formulated inks that naturally adhere to standard, off-the-shelf PVC and composite cards—and because inks are inherently UV-stable, images and text exhibit improved fade resistance. |
| <b>Print Speed*</b>                   | Up to 100 cph (cards per hour) / 36 seconds per card  |
| <b>Accepted Standard Card Sizes</b>   | CR-80 (3.375" L x 2.125" W / 85.6 mm L x 54 mm W)   |
| <b>Print Area</b>                     | CR-80 edge-to-edge (3.36" L x 2.11" W / 85.3 mm L x 53.7 mm W)  |
| <b>Accepted Card Thickness</b>        | .030" (30 mil) / .762 mm  |
| <b>Accepted Card Types**</b>          | PVC, press polished PVC, composite (PET/PVC with PVC as an outer layer), laminated PVC (credit card construction)   |
| <b>Input Hopper Card Capacity</b>     | 100 cards (.030" / .762 mm)   |
| <b>Output Hopper Card Capacity</b>    | Up to 30 cards (.030" / .762 mm)  |
| <b>Memory</b>                         | 1 GB RAM  |
| <b>Software Drivers</b>               | Windows® 7, 10 (32 bit & 64 bit)  |
| <b>Interface</b>                      | USB 2.0   |
| <b>Operating Temperature</b>          | 65° to 80° F / 18° to 27° C   |
| <b>Humidity</b>                       | 20–70% non-condensing   |
| <b>Dimensions</b>                     | Printer: 7.1" H x 10.5" W x 12.6" D / 180 mm H x 267 mm W x 320 mm D  |
| <b>Weight</b>                         | Printer: 7.8 lbs / 3.5 Kg   |
| <b>Agency Listings</b>                | UL / CE / FCC Class A   |
| <b>Supply Voltage</b>                 | 100-240Vac, 50-60Hz, 1.5 Amps max   |
| <b>Supply Frequency</b>               | 50 Hz / 60 Hz   |
| <b>Warranty</b>                       | Printer – Three years***  |
| <b>Encoding Options (HID Encoder)</b> | Supported smart card technologies: 125 kHz (HID Prox) reader; 13.56 MHz (iCLASS® Standard / SE / SR / Seos®, MIFARE Classic®, MIFARE Plus®, MIFARE DESFire®, MIFARE DESFire® EV1, ISO 14443 A/B, ISO 15693) read/write encoder  |
| <b>Software</b>                       | FARGO driver including diagnostic utility with Color Assist™ spot-color matching  |
| <b>Console Display</b>                | Power on/off and status indicator lights  |

\* Print speed indicates an approximate print speed and is measured from the time a card drops into the output hopper to the time the next card drops into the output hopper. Print speeds do not include encoding time or the time needed for the PC to process the image. Process time is dependent on the size of the file, the CPU, amount of RAM and the amount of available resources at the time of the print.

\*\* Although HID has done extensive testing both with HID UltraCard™ cards and off-the-shelf PVC cards produced by other manufacturers, not every available card on the market could be tested/validated. HID Global recommends HID UltraCard-brand cards (UltraCard and UltraCard Premium). If the intent is to use non-HID-branded PVC cards, we invite partners to validate their specific card stock. End customers can arrange for a card sample test with their HID partner to ensure card compatibility prior to purchase. Please contact your local HID Sales Representative or HID Reseller for additional information.

\*\*\* Three-year warranty available on printers with completion of online printer registration. (Two-year warranty standard on printer without online printer registration.)