

Printing and Encoding Solutions

FARGO® HDP8500
Industrial Card Printer/Encoder



Produce IDs reliably and continuously—even in the most demanding environments.

High Definition printing

delivers the highest image quality—layered on the highest functioning cards. HDP Film fuses to the surface of proximity and smart cards, c

Rugged and Robust

The HDP8500 looks and feels more solid than other desktop printers. Its solid metal cabinetry and precision-engineered interior components provide improved resistance to parts fatigue and general wear from routine and repeated use.

manufacturing excellence and three-year hardware warranty, it's the ideal solution for unparalleled quality, performance and security.

High Definition Printing Quality

HID Global pioneered High Definition Printing, also called retransfer print technology in desktop ID card printers. Now, HID leverages the technology to introduce its fifth generation HDP print engine in the FARGO HDP8500. Retransfer technology works with a wide variety of card materials, giving you greater printing flexibility. And, you'll be able to produce crisp, high definition images on technology cards—even cards with surface imperfections. The FARGO HDP8500 is the clear choice for ID issuance operations where the highest print quality is required.

High Durability Results

The FARGO HDP8500 is designed to work with the most durable consumables, ensuring long-life card provision for small and large government ID programs. Clear and holographic overlaminates provide higher card durability and longer life to ID credentials. An optional durable retransfer film provides even greater abrasion resistance. The highest-level security features, including secure printing and secure lamination, provide lasting protection from fraud. The FARGO HDP8500 is the ideal printing system for ID cards that need to last.

Flexible Technology for Improved Options and Security

The FARGO HDP8500 uses HDP technology to print a dye-sublimation image onto an intermediate transfer film that is retransferred to the card surface. This flexible technology works with a wider choice of card materials, is more resistant to identity adulteration and attack, and is the optimal choice for smart cards because it easily handles surface or embedded electronics irregularities.

Enhanced System Reliability for Challenging Environments

Non-climate controlled areas, high heat, dirt and debris can routinely impact performance, affecting your productivity as well as overall print quality and reliability. The FARGO HDP8500 is designed to safeguard against the most challenging operating environments. Its airflow and filtration system, canopy dust seals and internal temperature sensors maintain ideal printing conditions in the harshest conditions. Multiple in-line cleaning stations that eliminate unexpected blank card surface debris and a special cover protecting card path sensors help prevent defective card prints and printer jams. Powerful stepper motors give you improved card handling over long print shifts. And the printer's gearbox design, metal shaft spindle components and supply cartridges ensure reliable consumable materials handling.

Advanced System Performance for Enhanced Security, Throughput and Durability

In addition to demanding the highest level security features for their printer systems, governments need stable and consistent throughput as well as longer-life cards. HID Global delivers.

The FARGO HDP8500 has physical locks on all access points to protect the ribbon and film consumables, as well as the cards, before and after printing. It offers secure PIN access to electronically lock the printer from accepting print jobs. It has several features for data protection. It uses advanced encryption standard (AES) 256 to protect electronic data, and it has a resin-erase feature to eliminate personal data on used ribbon panels. And it offers secure printing and laminating, including UV printing with fluorescing (F) panel ribbons, holographic retransfer film, and holographic thin films and overlaminates to provide up to three levels of security: overt, covert and forensic.

The FARGO HDP8500 by HID Global has multiprocessing capabilities to greatly increase card yield per shift. The system can encode one card while printing a second card and laminating a third. It offers two additional print modes—along with the standard print mode—to meet your needs. Performance mode provides the fastest throughput speed of approximately 1,000 full-color, single-side cards per shift. Premium mode provides enhanced print

Peak Performance

The HDP8500 sustains longer, uninterrupted, high-yield batch print runs. Large-capacity consumables and card input hoppers help minimize downtime. A clean, stable print environment and internal card flattener ensure consistently high-quality card output.

Maximum Security

Special features of the HDP8500 make it compliant with the security requirements of government ID issuers worldwide. The printing materials and the cards in the input and reject hoppers are all protected by physical locks. Printed cards are delivered into a concealed output hopper, and misprinted or misencoded cards are secured in an internal reject bin, protected from identity theft.

The printer is architected within HID Global's Trusted Identity Platform (TIP) to provide highly secure print job authorization at the point of issuance. Data is also protected with AES-256 bit encryption as it passes to the printer, and a unique data-erase feature renders information on used print ribbons illegible. Optional Custom Secure Consumables create a proprietary, secure link between printers and consumables used in your unique large ID project.

quality for challenging images. Also, the HDP8500 has a patented dual input hopper feature, making it the only retransfer printer to allow automatic selection from two different card types without user intervention.

Finally, the FARGO HDP8500 offers clear and holographic overlamine patches in 0.6 mil and 1.0 mil to provide higher card durability and longer-life ID credentials.

Operational Convenience for Lower Costs

Governments require printing solutions that focus on lowest cost of operation. They need printer/encoders with predictable maintenance schedules and or limited service requirements—all supported by industry-leading product warranties.

The FARGO HDP8500 has among the highest card capacity with dual 200-card input hoppers providing 400-card total input capacity and requiring less user intervention during continuous card runs. It provides an industry-first touch-screen display, giving you superior printer status, diagnostics and maintenance information for easier and faster service. It also has a fully accessible card path, allowing you to monitor card throughput visually for convenient troubleshooting. An optional andon lighting system provides operators with visual remote printer status feedback across wider, secure print environments. « Plus, the FARGO HDP8500 is backed b

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