

High Definition (HDP) Printer/Encoders

		
	HDP6600	HDP5000e
Sided Printing	Single or Dual	Single or Dual
Print Method	HDP Dye-Sublimation / Resin Thermal Transfer	HDP Dye-Sublimation / Resin Thermal Transfer
Resolution	600 dpi	300 dpi
Print Speed*	Up to 230 cards per hour / 16 seconds per card (YMCK with transfer)	Up to 133 cards per hour / 27 seconds per card (YMCK with transfer)
Security Features	Data encryption, resin scramble data protection, fluorescent panel (UV) printing, optional hardware locks	Data encryption, resin scramble data protection, password protection, fluorescent panel (UV) printing
Accepted Card Sizes	CR-80	CR-80
Accepted Card Thickness	.030" (30 mil) to .040" (40 mil) / .762mm to 1.01 mm	.030" (30 mil) to .050" (50 mil) / .762mm to 1.27 mm
Software Drivers	Windows® 10 / 11 / Server 2016 / Server 2019 / Server 2022	Windows 10 / 11 / Server 2016 / Server 2019 / Server 2022
Size	Printer: 13.0"H x 14.5"W x 12.0"D / 330mmH x 368mmW x 305mmD Printer + Dual-Side Module: 13.0"H x 19.75"W x 12.0"D / 330mmH x 502mmW x 305mmD Printer Single-Side + One Material Lam Module: 14.0"H x 30.5"W x 12.0"D / 356mmH x 775mmW x 305mmD Printer + Dual-Side Module + One Material or Two Material Lam Module: 14.0"H x 35.75"W x 12.0"D / 356mmH x 908mmW x 305mmD One Material or Two Material Lam Module: 14.0"H x 16.0"W x 9.5"D / 356mmH x 406mmW x 241mmD	Printer: 12.0"H x 16.5"W x 11.0"D / 305mmH x 419mmW x 279mmD Printer + Dual-Side Module: 12"H x 22"W x 11"D / 305mmH x 559mmW x 279mmD Printer + Single-Side Lam Module: 12.75"H x 25"W x 11"D / 324mmH x 635mmW x 279mmD Printer + Dual-Side Module + Dual-Side Lam Module: 12.75"H x 30"W x 11"D / 324mmH x 762mmW x 279mmD Lam Module: 12.75"H x 12.25"W x 11"D / 324mmH x 311mmW x 279mmD
Weight	HDP6600: 21.0 lbs. / 9.5 kg HDP6600 + Dual-Side Module: 24.6 lbs. / 11.2 kg HDP6600 Single-Side + One Material Lam Module: 35.7 lbs. / 16.2 kg HDP6600 + Dual-Side Module + One Material or Two Material Lam Module: 39.3 lbs. / 17.9 kg One Material or Two Material Lam Module: 14.7 lbs. / 6.7 kg	HDP5000e: 18.7 lbs. / 8.5 kg HDP5000e + Dual-Side Module: 28.6 lbs. / 13 kg HDP5000e + Single-Side Lam Module: 31.7 lbs. / 14.4 kg HDP5000e + Dual-Side Module + Dual-Side Lam Module: 39.6 lbs. / 18 kg
Interface	USB 2.0, Ethernet (100 Mbps) with internal print server (IPv4- and IPv6-compatible; with support for SNMPv3)	USB 2.0, Ethernet (100 Mbps) with internal print server (IPv4- and IPv6-compatible; with support for SNMPv3)
Color Capability	Full Color/Monochrome	Full Color/Monochrome
Input Hopper	100 cards	100 cards
Dual Hopper Capability	Yes	Yes
Output Hopper	200 Cards	200 Cards
Encoding Options	Supported smart card and magnetic stripe technologies: 125kHz (HID Prox) reader; 13.56 MHz (iCLASS® Standard/SE/SR/Seos, MIFARE Classic®, MIFARE Plus®, MIFARE DESFire® EV1, ISO 14443 A/B, ISO 15693) read/write encoder; contact smart card encoder reads from and writes to all ISO7816 1/2/3/4 memory and microprocessor smart cards (T=0, T=1) as well as synchronous cards; ISO magnetic stripe encoding, dual high- and low-coercivity, tracks 1, 2 and 3	Supported smart card and magnetic stripe technologies: 125kHz (HID Prox) reader; 13.56 MHz (iCLASS® Standard/SE/SR/Seos, MIFARE Classic®, MIFARE Plus®, MIFARE DESFire® EV1 / EV2, ISO 14443 A/B, ISO 15693) read/write encoder; contact smart card encoder reads from and writes to all ISO7816 1/2/3/4 memory and microprocessor smart cards (T=0, T=1) as well as synchronous cards; ISO magnetic stripe encoding**, dual high- and low-coercivity, tracks 1, 2 and 3
HID Access Control Application Encoding	iCLASS® Standard/SE/SR/Seos, MIFARE Classic®, MIFARE DESFire® EV1, HID Prox (Also see the FARGO HDP6600 Card Encoding Modules Datasheet for additional information)	iCLASS® Standard/SE/SR/Seos, MIFARE Classic®, MIFARE DESFire® EV1 / EV2, HID Prox (Also see the Card Encoding Modules for FARGO® Card Printers Datasheet for additional information)
Lamination Available	Yes	Yes
Card Volume	High	High
Warranty	Printer: Four years including one year of free printer loaner support with option to purchase a second year of printer loaner support (U.S. only); Printhead: Lifetime, unlimited card passes	Printer: Four years including one year of free printer loaner support with option to purchase a second year of printer loaner support (U.S. only); Printhead: Lifetime, unlimited card passes
Software	Diagnostic utility with Color Assist spot-color matching included with driver; compatible with Asure ID® card personalization software	Diagnostic utility with Color Assist spot-color matching included with driver; compatible with Asure ID card personalization software
Options	Dual-sided printing - Upgradable Card Lamination Configurations – Choice of One Material (for single- or dual-sided lamination) or Two Material (for dual-sided lamination) - Upgradable 200-Card Input Hopper - Upgradable Card Flattening Module – Upgradable Dual Input Card Hopper - Upgradable Smart card encoding (contact/contactless) – Upgradable Programmer – Programs HID PACS data – Upgradable Magnetic stripe encoding - Upgradable Physical locks for card hoppers and consumables access (special order only) Printer cleaning kit Single-wire Ethernet or USB 2.0 interface for inline printing and encoding (Note: single-wire Ethernet encoding is available with a third-party license)	Dual-side printing – Upgradable Card Lamination Module – single-sided or dual-sided (simultaneous) – Upgradable 200-Card Input Hopper – Upgradable Dual Input Card Hopper Module – Upgradable Smart card encoding (contact/contactless) – Upgradable Programmer – Programs HID PACS data – Upgradable Magnetic stripe encoding – Upgradable Printer cleaning kit Single Wire Ethernet for inline printing and encoding (Note: single-wire Ethernet encoding is available with a third-party license)
Fluorescent Panel Ribbon (UV Printing)	Yes	Yes
Ribbon Loading Method	Drawer	Cartridge

*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 printhead resolution, the CPU, amount of RAM and available resources at the time of the print.

