

PRODUCT COMPARISON CHART

# High Definition (HDP®) Printer/Encoders



	HDP8500	HDPii Plus	HDP5600	HDP5000
<b>Sided Printing</b>	Single or Dual	Single or Dual	Single or Dual	Single or Dual
<b>Print Method</b>	HDP Dye-Sublimation / Resin Thermal Transfer	HDP Dye-Sublimation / Resin Thermal Transfer	HDP Dye-Sublimation / Resin Thermal Transfer	HDP Dye-Sublimation / Resin Thermal Transfer
<b>Resolution</b>	300 dpi	300 dpi	300 dpi or 600 dpi	300 dpi
<b>Print Speed*</b>	24 seconds per card / 150 cards per hour maximum (YMC with transfer)	48 seconds per card / 75 cards per hour maximum (YMCKI with transfer)	Up to 24 seconds per card / 150 cards per hour maximum (YMC with transfer)	24 seconds per card / 150 cards per hour maximum (YMC with transfer)
<b>Accepted Card Sizes</b>	CR-80	CR-80	CR-80	CR-80
<b>Accepted Card Thickness</b>	.030" (30 mil) to .050" (50 mil) / .762 mm to 1.27 mm	Print only: .030" (30 mil) to .050" (50 mil) / .762mm to 1.27 mm	.030" (30 mil) to .050" (50 mil) / .762mm to 1.27 mm	Print only: .030" (30 mil) to .050" (50 mil) / .762mm to 1.27 mm Print/Lamination: .030" (30 mil) to .050" (50 mil) / .762mm to 1.27mm
<b>Software Drivers</b>	Windows 8/ 7/ Vista (32bit & 64 bit) / Server 2008 & 2003/ XP; Mac OS X v10.8 / v10.7 / v10.6 / v10.5 / v10.4 & Linux	Windows 8/ 7/ Vista (32bit & 64 bit) / Server 2008 & 2003/ XP	Windows 10 / 8 / 7 / Vista / XP / Server 2012 / Server 2012 R2 / Server 2008 / Server 2008 R2 / Server 2003 R2 / Server 2003 R1, Mac OS X v10.10 / v10.9 / v10.8 / v10.7 / v10.6 and Linux**	Windows 8/ 7/ Vista (32bit & 64 bit) / Server 2008 & 2003/ XP; Mac OS X v10.6 / v10.5 & Linux
<b>Size</b>	Dual-Sided Printer: 15.5" H x 28.2" W x 14.0" D / 394 mm H x 716 mm W x 356 mm D Printer + Dual-sided Lam Module: 15.5" H x 43.0" W x 14.0" D / 394 mmH x 1092 mmW x 356 mm D Printer + Laser Engraver Module: 20.5" H x 39.0" W x 20.0" D / 521 mmH x 991 mmW x 508 mmD Printer + Laser Engraver Module + Dual-sided Lamination Module: 20.5" H x 54.0" W x 20.0" D / 521 mmH x 1372 mmW x 508 mm D	11.50" H x 24.60" W x 9.25" D / 292mmH x 625mmW x 235mmD	Printer: 11.50" H x 12.25" W x 9.25" D / 292mmH x 313mmW x 235mmD Printer + Dual-Sided Module: 11.50" H x 17.50" W x 9.25" D / 292mmH x 445mmW x 235mmD Printer + Single-Sided Lam Module: 12.75" H x 25" W x 9.25" D / 324mmH x 635mmW x 235mmD Printer + Dual-Sided Module + Dual-Sided Lam Module: 12.75" H x 30" W x 9.25" D / 324mmH x 762mmW x 235mmD Lam Module: 12.75" H x 12.25" W x 9.25" D / 324mmH x 313mmW x 235mmD	Printer: 11.50" H x 12.25" W x 9.25" D / 292mmH x 313mmW x 235mmD Printer + Dual-Sided Module: 11.50" H x 17.50" W x 9.25" D / 292mmH x 445mmW x 235mmD Printer + Single-Sided Lam Module: 12.75" H x 25" W x 9.25" D / 324mmH x 635mmW x 235mmD Printer + Dual-Sided Module + Dual-Sided Lam Module: 12.75" H x 30" W x 9.25" D / 324mmH x 762mmW x 235mmD Lam Module: 12.75" H x 12.25" W x 9.25" D / 324mmH x 313mmW x 235mmD
<b>Weight</b>	Printer: 61 lbs / 27.7 kg Printer + Dual-Sided Lam Module: 90 lbs / 40.9 kg Printer + Laser Engraver: 131 lbs / 59.5 kg Printer + Laser Engraver Module + Dual-sided Lamination Module: 178 lbs / 80.8 kg	28 lbs. / 12.8 kg	HDP5600: 16 lbs. / 7.3 kg HDP5600 + Dual-Side Module: 22 lbs. / 10 kg HDP5600 + Single-Side Lam Module: 28 lbs. / 12.7 kg HDP5600 + Dual-Side Module + Dual-Side Lam Module: 36 lbs. / 16.4 kg	HDP5000: 16 lbs. / 7.3 kg HDP5000 + Dual-Side Module: 22 lbs. / 10 kg HDP5000 + Single-Side Lam Module: 28 lbs. / 12.7 kg HDP5000 + Dual-Side Module + Dual-Side Lam Module: 36 lbs. / 16.4 kg
<b>Interface</b>	USB 2.0 (high speed) and Ethernet with internal print server	USB 2.0 (high speed) and Ethernet with internal print server	USB 2.0 and Ethernet with internal print server	USB 2.0 (high speed) and Ethernet with internal print server
<b>Color Capability</b>	Full Color/Monochrome	Full Color/Monochrome	Full Color/Monochrome	Full Color/Monochrome
<b>Input Hopper</b>	400 cards	100 cards	100 cards	100 cards
<b>Dual Hopper Capability</b>	Standard	Yes	Yes	Yes
<b>Output Hopper</b>	200 Cards	100 Cards	200 Cards	200 Cards
<b>Encoding Options</b>	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, 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, 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, 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.
<b>HID Access Control Application Encoding</b>	iCLASS® Standard/SE/SR/Seos, MIFARE Classic®, MIFARE DESFire® EV1, HID Prox	iCLASS® Standard/SE/SR/Seos, MIFARE Classic®, MIFARE DESFire® EV1, HID Prox	iCLASS® Standard/SE/SR/Seos, MIFARE Classic®, MIFARE DESFire® EV1, HID Prox	iCLASS® Standard/SE/SR/Seos, MIFARE Classic®, MIFARE DESFire® EV1, HID Prox
<b>Lamination Available</b>	Yes	No	Yes	Yes
<b>Laser Engraving Available</b>	Yes	No	No	No
<b>Card Volume</b>	High	High	High	High
<b>Warranty</b>	Printer: Three years, Printhead: Lifetime; unlimited pass, Laser Engraver: Two years	Printer: Three year, Printhead: Lifetime; unlimited pass, Optional Extended Warranty Program (U.S. only)	Printer: Three year, Printhead: Lifetime; unlimited pass, One year On-Call Express (loaner printer, U.S. only), Optional Extended Warranty Program (U.S. only)	Printer: Three year, Printhead: Lifetime; unlimited pass, One year On-Call Express (loaner printer, U.S. only), Optional Extended Warranty Program (U.S. only)
<b>Software Options</b>	Asure ID®	Asure ID	Asure ID	Asure ID
<b>Options</b>	Laser Engraver Module - Upgradable Card Lamination Module - dual-sided (simultaneous) - Upgradable Card Flattening Module - Upgradable Andon Production Status Light - Upgradable Smart card encoding (contact/contactless) - Upgradable Magnetic stripe encoding - Upgradable Single Wire Ethernet and USB 2.0 interface for in-line printing and encoding (note: single wire Ethernet encoding is only available for iCLASS, MIFARE, and contact smart card encoding)	Dual card input hopper module - Upgradable Smart card encoding (contact/contactless), EMV Level 1 - Upgradable Printer cleaning kit Single Wire Ethernet and USB 2.0 interface for in-line printing and encoding (note: single wire Ethernet encoding is only available for iCLASS, MIFARE, and contact smart card encoding)	Card Lamination Module - single-sided or dual-sided (simultaneous) - Upgradable Dual card input hopper module - Upgradable Smart card encoding (contact/contactless) - Upgradable Physical locks for card hoppers and consumables access Printer cleaning kit Magnetic stripe encoding - Upgradable Dual-sided printing - Upgradable Single Wire Ethernet and USB 2.0 interface for in-line printing and encoding (note: single wire Ethernet encoding is only available for iCLASS, MIFARE, and contact smart card encoding) Wi-Fi® Module - Upgradable	Dual card input hopper module - Upgradable Card Lamination Module - single-sided (simultaneous) - Upgradable Smart card encoding (contact/contactless) - Upgradable Door and cartridge locks Printer cleaning kit Magnetic stripe encoding - Upgradable Dual-sided printing - Upgradable Single Wire Ethernet and USB 2.0 interface for in-line printing and encoding (note: single wire Ethernet encoding is only available for iCLASS, MIFARE, and contact smart card encoding)
<b>Prints Rewritable and 10-Mil Cards</b>	No	No	No	No
<b>Fluorescent Panel Ribbon (UV Printing)</b>	Yes	Yes	Yes	Yes
<b>High Durable HDP Film Available</b>	Yes	Yes	Yes	Yes
<b>Cartridge Loaded Ribbons</b>	Yes	Yes	Yes	Yes
<b>Password Protect</b>	Yes	Yes	Yes	Yes

\*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 the amount of available resources at the time of the print.  
\*\*Linux driver support availability expected Q1 2016. Linux versions: Ubuntu 10.04 / 14.04, Debian 6 / 7 / 8, Fedora 20 / 21 / 22, openSUSE 13.1 / 13.2