

## Printer facts

- Retransfer
- One- or two-sided “over the edge” printing on CR80 cards
- Card lamination modules capable of single-side or simultaneous dual-side
- Speed:
  - 124 cards per hour (YMCK, no lamination)
  - 102 cards per hour (YMCK, lamination)

## Printer technical info

- Connectivity:
  - USB 2.0 (high speed)
  - Ethernet with built-in print server
- OS Support for printer drivers:
  - Windows 8/ 7/ Vista (32bit & 64 bit) / Server 2008 & 2003/ XP
  - Mac OS X v10.6 / v10.5 & Linux
- Can it be in a printer pool? Yes
- Power requirement: printer & laminator have separate power supplies



## Physical info

- Printer & Laminator:
  - Footprint: 25” x 10”; 13” high
  - Weight: 28 lbs for printer and laminator up to 36 lbs
- Wired connections are on the back, access to front and both ends required for normal operations
- Card capacity:
  - Input: 100 standard 0.030” cards
  - Output: 200

## Optional upgrades

- Single wire USB encoding
  - ISO magnetic stripe encoding on tracks 1, 2, and 3
  - Contactless smart card encoding (iClass and MIFARE)
  - ISO 7816 smart card encoder
  - Prox card reader (HID read-only)
- Extended 200-input card hopper
- Dual-sided printing
- Door and cartridge locks
- Holographic HDP film and laminate

## User survey

NACCU Technology Research Committee surveyed three schools (Ryerson University; University of Wisconsin – Milwaukee; Illinois State University) using the Fargo HDP500 printer to gather user experience information about this printer. The card offices in the participating schools serve campus populations of 25K-40K students, staff and faculty. Each office runs between three printers and has one permanent card office. The printers are about seven years-old at two schools, and two years-old at the third school. **See the results on the next page!**

## User Feedback

### Software:

For ID production, these schools are each using something different. The school running Blackboard Transact is using EpiSuite. The other schools are using CBORD with Andover Continuum CyberStation Badging Software and ID Works.



### Credential technology:

All schools surveyed are using mag stripe, encoded by the printer. Two schools use HID iClass and the other uses prox and DESFire. The iClass “hot stamp” number is read by the printer into Blackboard and DESFire is read into the system outside the printing process.

### Do you have a service contract?

Both the schools with seven year-old printers do, the two year-old printers are not on a service contract and sticks to an annual service and cleaning schedule, paying for repairs as required.

### Have you noticed environmental (room temperature, humidity, etc.) conditions affecting your printers?

Humidity and construction dust have been noted as impacting printer reliability.

### What is the most frustrating thing about your printer?

- Warm up time! All schools mentioned that the printer takes about four minutes to warm up for its first print of the day or after an extended idle period.
- Temperature affects the printers’ ability to grab cards and image retransfer quality.
- If the printer temperature is too high or low the print quality is reduced and cards can come out warped.

### What has improved your relationship with your printer?

- Knowing that it will be replaced soon!
- Learning how to batch print in chunks to give the printer a “rest” between batches.