

C O L O R I D

COLORID CAMPUS IDENTITY SUMMIT

CARD ISSUANCE



C O L O R I D

AGENDA

Legacy Card Issuance Software

Cloud/Web Based Card Issuance

Available Solutions

Self Service Photo Upload

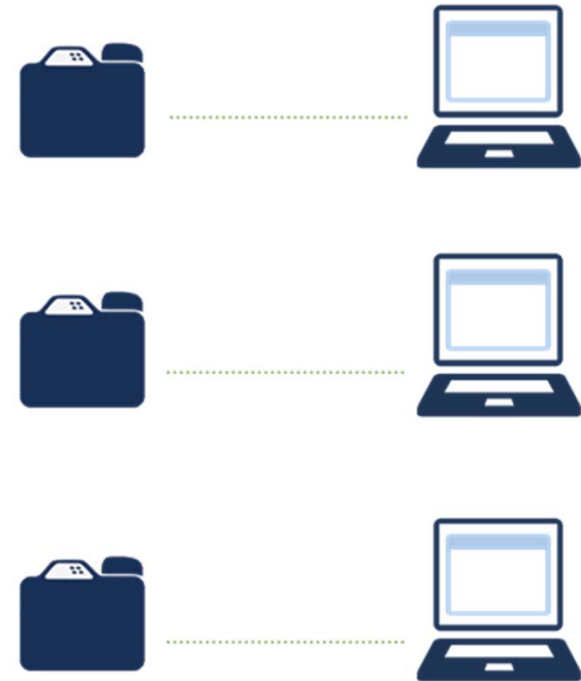
LEGACY CARD ISSUANCE

ID Works, AsureID, EpiSuite

COLORID CURRENT MODEL

Legacy ID Production

- Printers connected to individual workstations
- On-Premise Card System Database
- Remote & Onsite Support



COLORID MOSTLY ID WORKS

ID WORKS

- Recommended and supported by CBORD and Blackboard
- Rock solid software
- Version 6.5 released in **2007!**
- Windows 10 certified
- Still supported moving forward

ASUREID, EPISUITE, RAPIDCARD IDMS

C O L O R I D ID WORKS

Live connections to databases supported

- Native and ODBC
- Read from many, write to one

Prints to any printer through Windows drivers

- Mag stripe encoding is a printing function
- Smart card reading and writing are harder
 - Usually requires Datacard printer

CLOUD BASED CARD ISSUANCE

A Paradigm Shift for Card Printing

WEB / BROWSER / CLOUD?

True cloud

- Designed for cloud architecture
- Hosted and managed by provider

Browser based

- Can be located in cloud or on-premise
- Requires web server
- Often called web software


Neither option requires client software

ADVANTAGES / DISADVANTAGES OF WEB



Advantages

- No local software to install
- Less burden on IT support
- Print from any device
- No issues with Windows Updates
- Printers and workstations are no longer linked



Disadvantages

- Hardware is hard to support
 - Printers are OK for printing and mag encoding
- May need to install and maintain a web server
- Networks are monitored by university IT
- Browsers are updated frequently and could “break” system

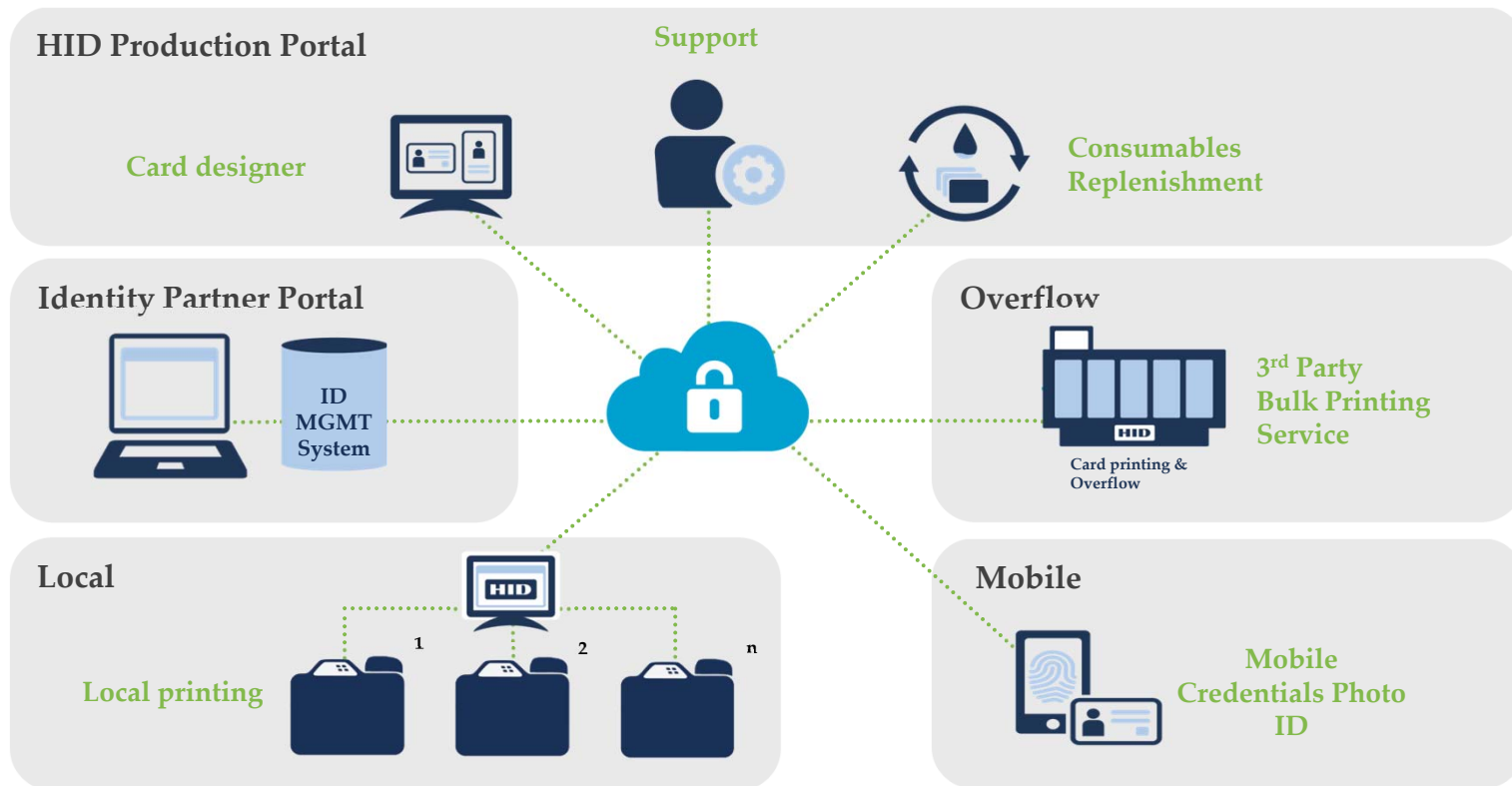
COLORID BANK TELLER MODEL



COLORID APPLE STORE MODEL



COLORID HID FARGO CONNECT



COLORID FARGO CONNECT CONSOLE

Manages Printer Drivers

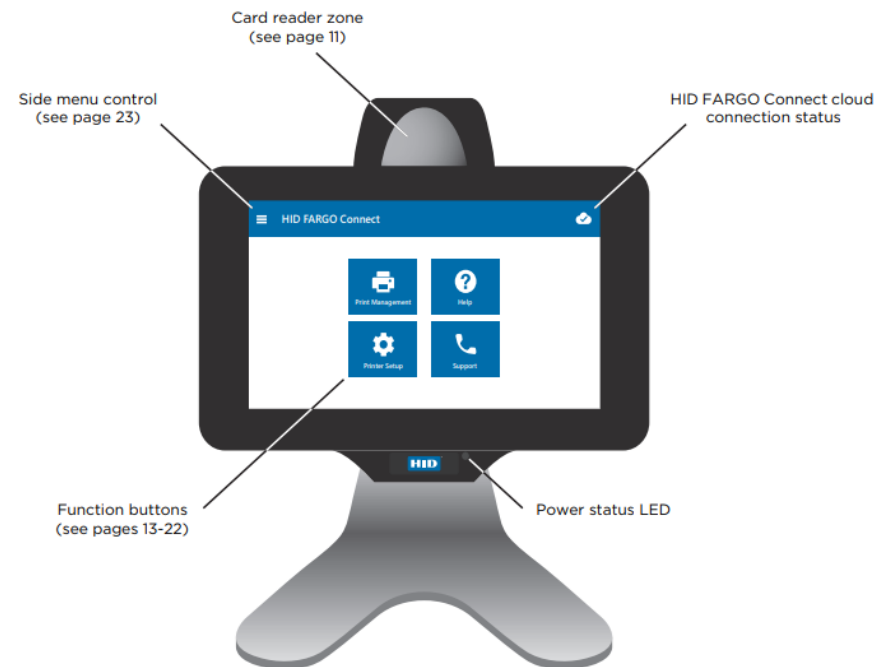
Network device

Printers connect via USB or ethernet

Up to 6 printers per Console

Secure print release

Printer status, consumables, settings, updates



COLORID FARGO CONNECT PORTAL

- Dashboard and Web card designer

Dashboard

Jobs			
Name	Submit Date	Status Message	Status
Tandon, Robin	10:24 AM 06/11/2019	Job printed successfully	Printed
_, Bob	10:18 AM 06/11/2019	Job printed successfully	Printed
_, Bob	9:56 AM 06/11/2019	Job printed successfully	Printed
Gibbs, Chris	8:57 AM 06/11/2019	Job printed successfully	Printed
Singh, Harmohan	4:04 AM 06/11/2019	Job printed successfully	Printed
Ballas, Steve	5:52 PM 06/10/2019	Job printed successfully	Printed

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ENTRUST DATACARD TRUCREDENTIAL

Replacement for ID Works

Browser Based – IIS Web Server

Optimized for Datacard Printers

RESTful API for Integration

Custom Plug-in may be required for Smart Card Encoding



ENTRUST DATACARD TRUCREDENTIAL

Workflows

- Pre-built workflows for enrollment, issuance & data management
- Drag-and-drop, configurable workflows



Smartcard

- Pre-built smartcard encoding support
- Configure chip data through user interface



Scalable, distributed solution

Browser-based Software

An internet connection is not required to operate TruCredential

Integration

- Pre-built integration with enterprise technologies
- Centralized data management with high security and scalability



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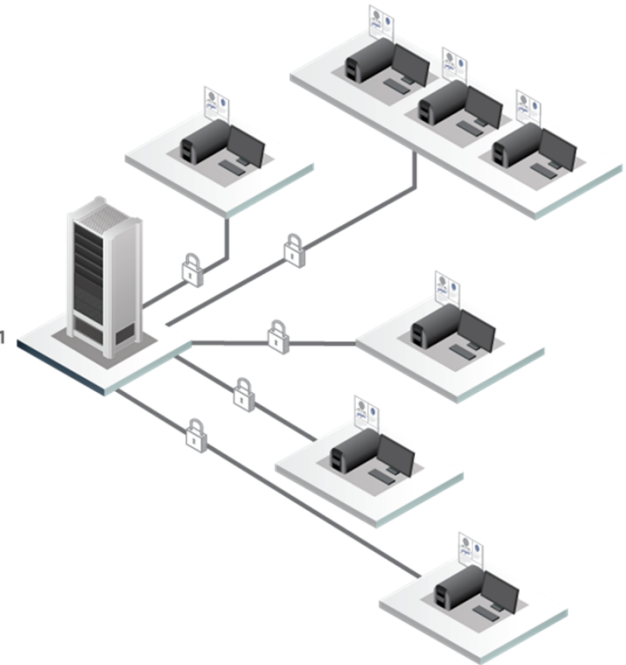
DATACARD REMOTE MONITORING

Direct access to tech support

Monitor printers from remote locations

Apply firmware to entire fleet

Reduce service calls



C O L O R I D

PRODUCT DIFFERENCES

TruCredential

- Browser access from any device on your network
- Standalone or integrated
- Datacard Printers

HID Fargo Connect

- Integrated with Identity Providers
- Uses console for local printers
- Cloud or “hybrid” based on
- Fargo Printers

Both are still adding features and improvements

SOFTWARE BUSINESS MODELS

TruCredential

- Available from many ID sources
- Standalone version, connect to data
- Fully integrated versions from CBORD, Blackboard

Fargo Connect available from select HID partners

- Fully integrated with CBORD WebManager
 - Purchase from other than CBORD
- Also Integrated with HID SAFE, C-Cure, **Atrium
- Not a standalone application

C O L O R I D
VALID WEBLINK ID



WEBLINK ID

Cloud Based Solution

- Hosted or On-Premise

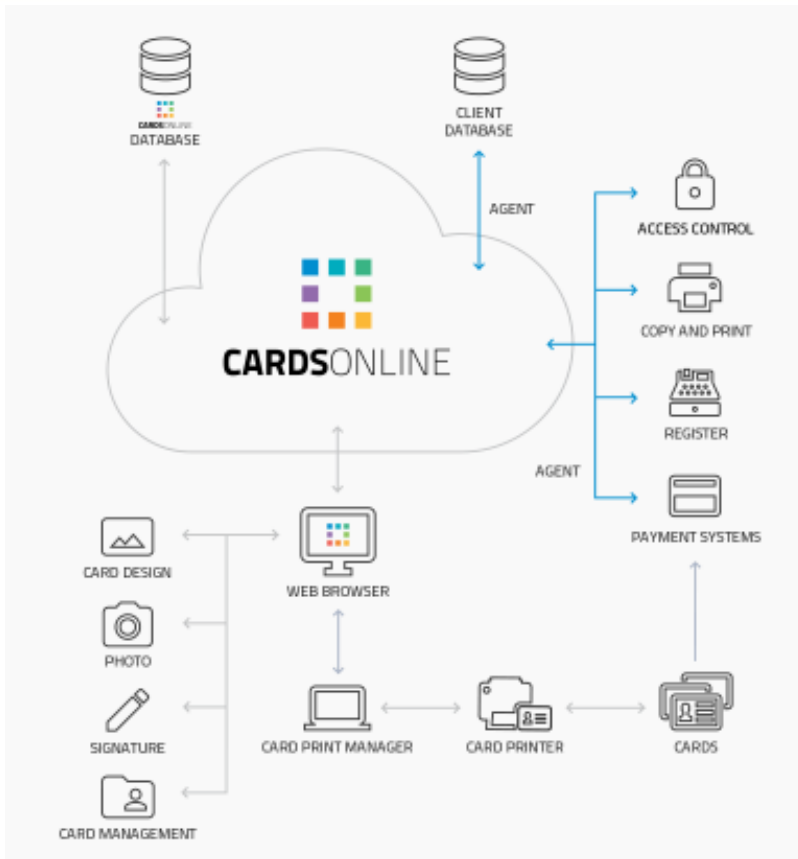
Atrium Integration

Currently No Smart Card Support

REST API for passing data

Relatively new product

COLORID CARDSONLINE



Screencheck

Browser-based

University of Arizona

Popular in Europe for years

COLORID CARDEXCHANGE PRODUCER

Independent Software Vendor

- Multiple Printer Brands Supported

Read/Write Multiple DB Connections

Powerpoint layout (WYSIWYG)

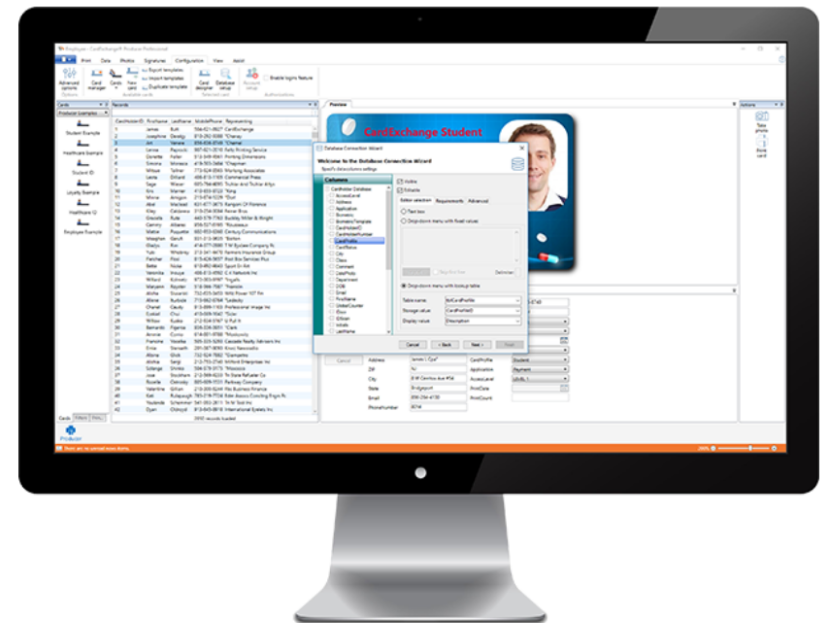
Smart Card Encoding/Reading

- DESFire EV1 - Configurable
- DESFire EV2 Support In-Process

Networkable Solution (Concurrent Users)

Printer Load Balancing

Web Card Management Solution (coming soon)



C O L O R I D

PACS BADGING MODULES

PACS = Physical Access Control System

Often limited external database support

Changes in versions, printer support happen slowly

- PACS products support cameras, building automation

Often can support mobile ID issuance



SOFTWARE HOUSE
From Tyco Security Products

COLORID IT COMPLIANCE

New hybrid and hosted software is noticed by IT

Security assessments are routine

Compliance

- Security
- Privacy – FERPA & GDPR
- WCAG or Web Content Accessibility Guidelines – VPAT 508
- ADA

SELF-SERVICE PHOTO UPLOAD

Great add-on for ID software

- Fargo Connect, Tru Credential support mobile photo capture, but not self-service

Many universities have built their own

CBORD

CloudCard

- Fully cloud-based
- Blackboard schools

MyPhoto

- On-prem or cloud hosted



MyPhoto®

CLOUDCARD EXAMPLE PROCESS

HOW IT WORKS



The card office uploads the cardholder email addresses and ID numbers.



CloudCard automatically sends an email to each student directly from your card office email address.



Students receive CloudCard's email which contains a unique, secure link that they use to access CloudCard.



Students upload a photo or snap a selfie.



The card office examines the pictures and approves them



After approving one or several photos, one more click is all it takes to download all the photos.

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THANK YOU

