

SAMSUNG PRINTING INNOVATION

Healthcare



Transforming Document Workflow in Healthcare

Paper-based

Environment Change

- More Patient-Driven
- Proactive Health Management
- Integration of Information at the point of care

Digital Data based

Substitutions to Documentation

- PDFs, e-Docs
- Mobile PCs
- Tablet/Smartphone
- CMS
- E-mail/Messenger

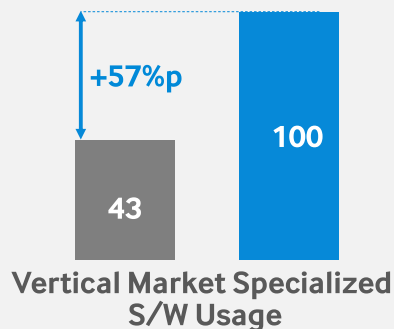
Authorized S/W and HIS Compatibility is Important



- HIS* / EMR* System compatible
- Healthcare Specialized S/W

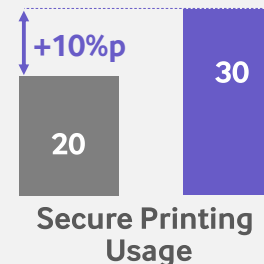
*HIS: Health Information System
*EMR: Electronic Medical Record

■ SMB Avg.
■ Healthcare
[Unit: SA, %]



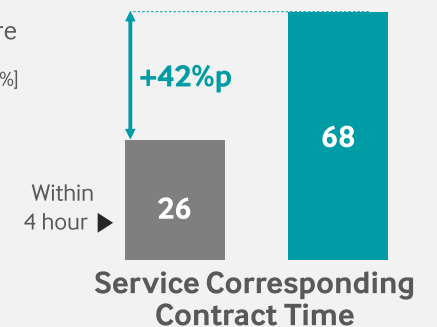
- Apply Multi-layer Security
(Staff tracking, Security Authentication)
- Authorized S/W

■ SMB Avg.
■ Healthcare
[Unit: SA, %]



- “Reliability”=No Down Time
- Quick A/S Response
- Package Contract
(Toner+Parts+Services: 29% ↑ vs SMB Avg.)

■ SMB Avg.
■ Healthcare
[Unit: SA, %]



[Samsung B2B Vertical Analysis, Base: SMB AVG. N=720 / CHN SMB AVG. N=240 / Healthcare, N=60 / ITDM, %]

[Security: Samsung B2B Vertical Analysis, Base: SMB AVG. N=720 / US SMB AVG. N=240 / Healthcare, N=60 / ITDM, %]

Key Requirements & Samsung's Solution Offer

Medical information

- Print/Scan Medical Records
- User access control
- Pull print

Privacy & Security

- Network security
- Data encryption
- User access control

Device Management

- Error notice
- Supplies notice
- Usage control

Patient agreement

- Print/Scan forms
- Scan to Server

Patient registration

- Print/Scan Forms
- Scan/Copy ID
- Scan data archiving

Administration

- Print/Scan Receipts
- Print Prescriptions
- Print Insurance Forms
- Scan to Server

SAMSUNG PRINTING SOLUTIONS

Secure Pull Printing

Automated
Document Management
(index/Search/Archiving with OCR)

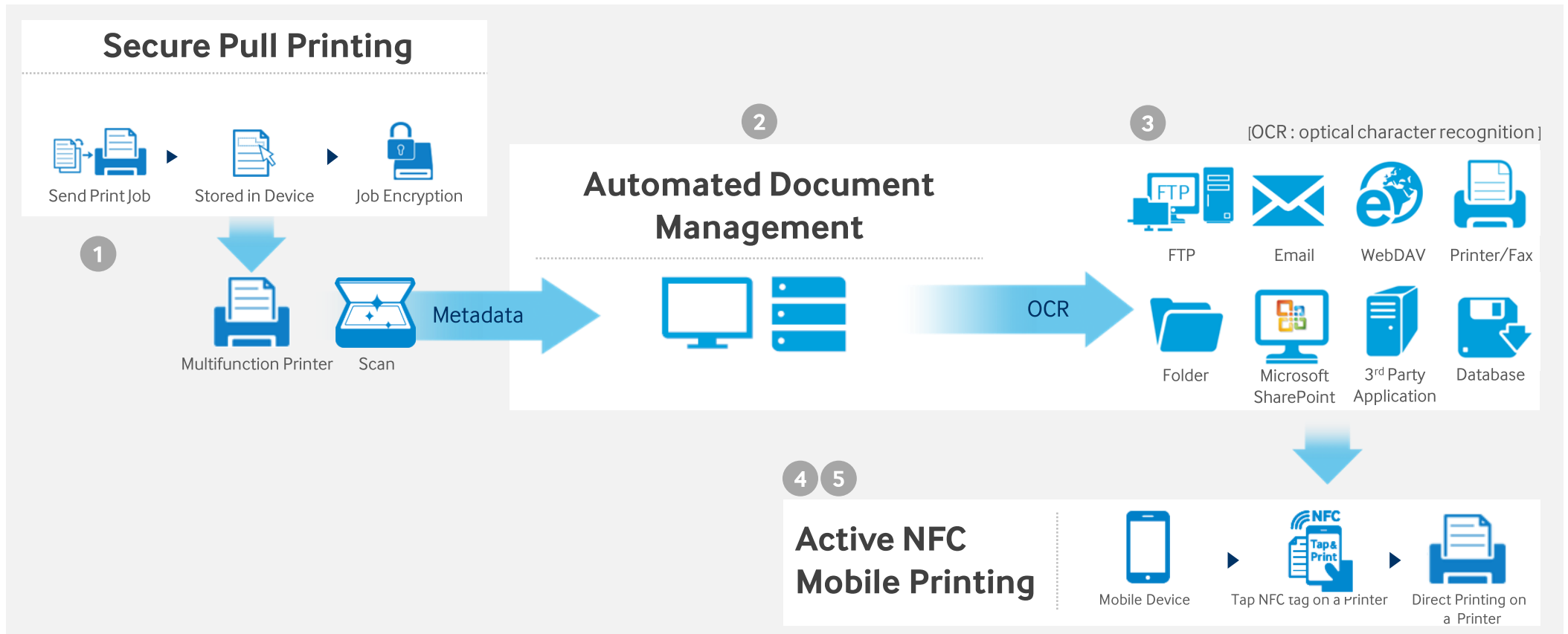
NFC Mobile Printing

Samsung Printing Solutions for Healthcare

Document Workflow

1. Patients visits the hospital and fill out a form
2. Staff scan the submitted form to digitize the patient's information using OCR
3. Doctor searches for the patient's information and treats them accordingly
4. Doctor sends the prescription to a printer from a PC or a tablet
5. Staff prints the prescription using their ID and PW, then calculates the balance and hands it to the patient

Samsung Printing Solutions



Secure Pull Printing

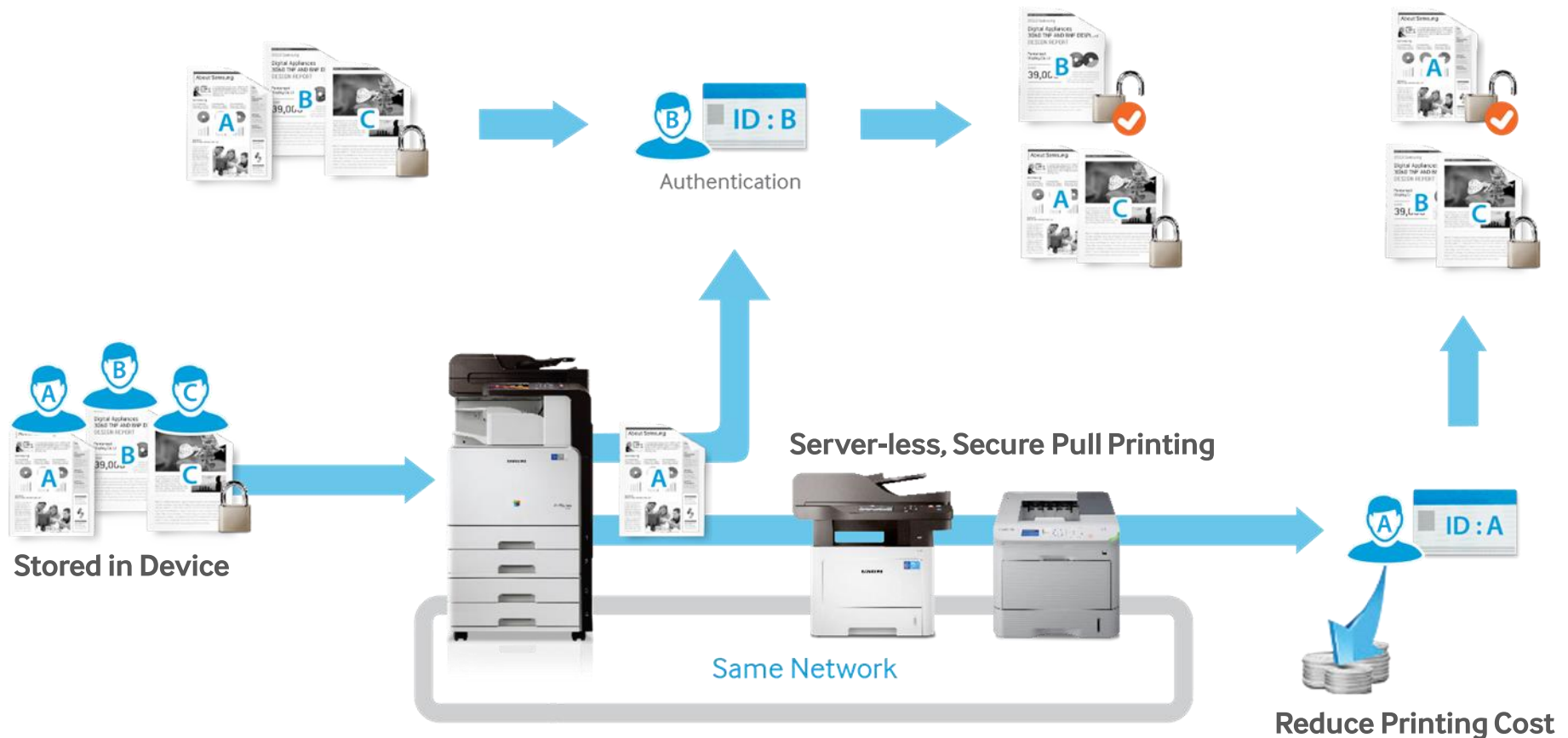
- Enhance document security and reduce waste with pull printing

Main Feature

- Secure authentication and release
- Server-less, secure pull printing

Key Benefits

- Reduce costs from paper waste and server expenses
- Increase security through user authentication for device access
- Eliminate the costly need for an additional server



Automated Document Management

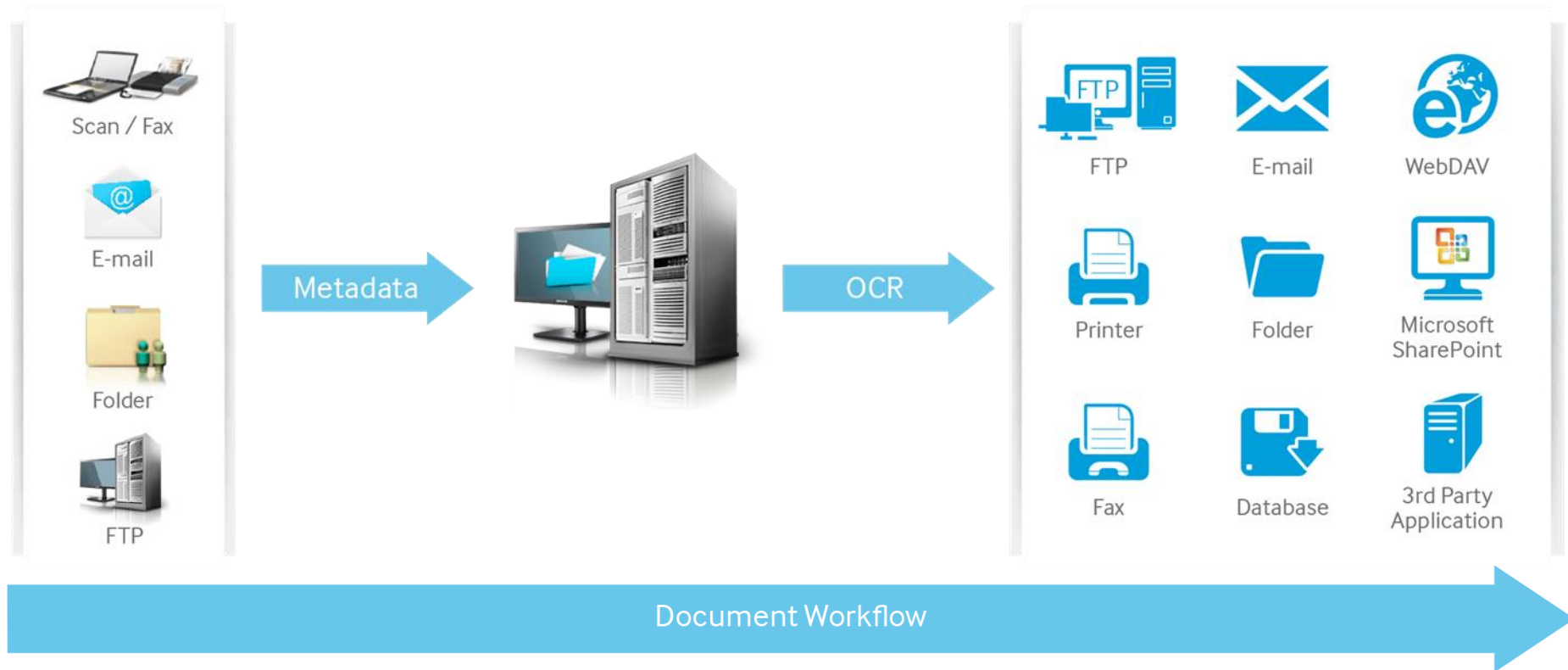
- Enhance efficiency, convenience, and security for digital document workflow

Main Feature

- Zone and Barcode OCR
- Fax Caller ID
- Mobile printing and custom work forms
- Scan to my email
- Card authentication and SSO support

Key Benefits

- Reduce operating costs with improved print environment efficiency
- Enhance user experience through powerful yet convenient features
- Increase document security to provide better data protection
- Accelerate performance with automated functions
- Boost productivity with swifter workflows

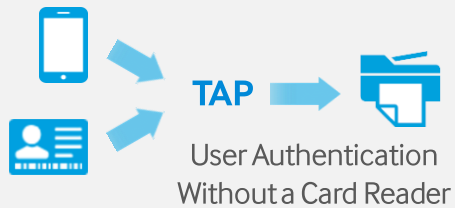


Active NFC Mobile Printing

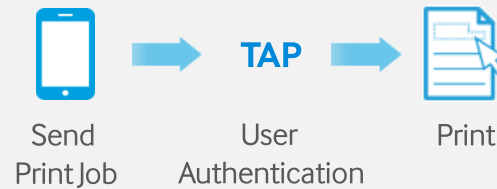
- Provide efficiency, convenience, and security for direct printing on mobile devices.

Main Feature

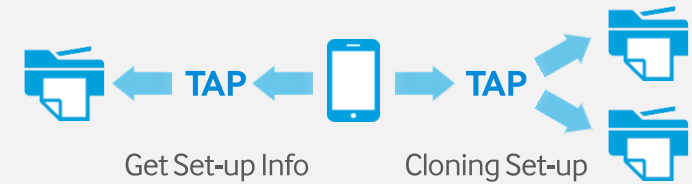
Easy User Authentication



Secure Release & Pull-Printing



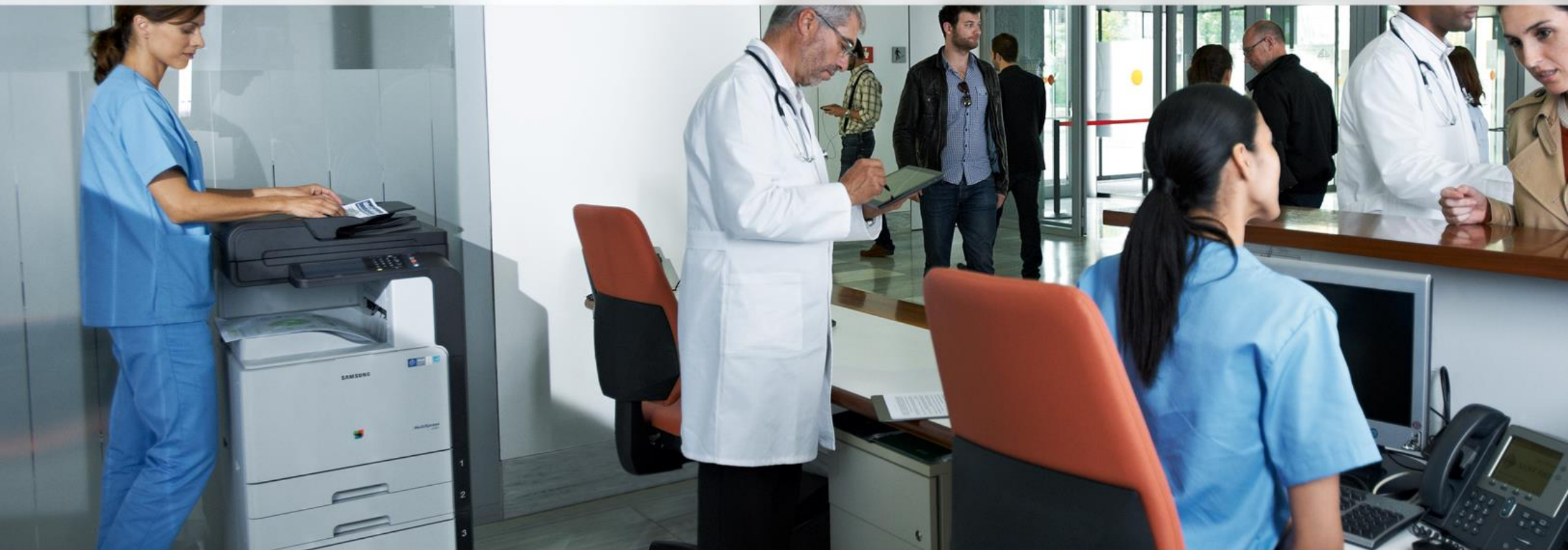
Easy Installation through NFC Cloning



How is Samsung Printing Solutions Helping Your Innovation?

Customer's Pain Point	Samsung Solution	
Due to high dependence on HIS (CH) and EMR (US) systems, customers need a compatible printing solution and clear setup	- Samsung developed a customization connector that can interface with Healthcare HIS and EMR systems through XOA Platform API for its XOA-E model.	XOA Platform
Long waiting hours due to slow printing / COWs are designated to different floors and printers and are unable to print on undesignated floors *COW: Computers on Wheels (portable computers that can move from floor to floor)	- Using the Secure Pull Printing solution, print the document from a printer without a job in order. Pull the print job of a printer on one floor to another to print remotely.	Secure Pull Printing
Concerns about leaking private information or exposing viruses to the MFP HDD	- To protect sensitive information on HDD, Samsung provides security authorized solution	
Should be able to manage patient information and explain the subsequent treatment on iPads or Android tablets and print the document on the devices directly/ should be compatible with iOS and Android OS	- Provide NFC printing features for Android-based mobile devices and Samsung mobile app for iOS	Active NFC Printing Samsung Mobile App

Case Study



Implemented Card Authentication Integration for a Hospital in US

Country of Origin : USA



Profile

The not-for-profit medical practice and medical research group based in Rochester, Minnesota, specializing in treating difficult cases (tertiary care).

Vertical Market : [Healthcare](#)

Business Line : [Hospital](#)

Challenge	Solution	Benefits
<ul style="list-style-type: none">- IT Administrator wanted to implement card authentication by integrating it with their Lightweight Directory Access Protocol (LDAP) server to all MFPs within the facility- Requirements included sending scanned document to the logged in person's folder designated in LDAP.	<ul style="list-style-type: none">- Samsung installed A3 MFPs, as well as developed the Scan to Home* feature, which easily saved scanned documents to the user's designated folder. Support for SSO between the Independent Software Vendor (ISV) solution, Secure Solution and MFP, and the in-house solution was also provided to enhance user convenience.	<ul style="list-style-type: none">- Easily get user information from the LDAP server and send scanned document to a designated folder.- Scan to Home* supports SSO with print management login to provide user convenience.

*Scan to Home: Scan to logged in persons folder designated in LDAP

Standardized Print Fleet for a Leading Italian Biopharmaceutical Company

Country of Origin: Italy



Profile

One of Italy's leading biopharmaceutical companies, with a solid history of developing innovative drugs for illnesses of high social impact.

Vertical Market : [Pharmaceutical](#)

Business Line : [Health](#)

Challenge	Solution	Benefits
<ul style="list-style-type: none">- Current print estate is supplied & managed by 5 different vendors (one for HW, Consumables, Paper & Maintenance)- Standardize Print Fleet across the two branches- Improve Cost Management- Looking to refresh & integrate the print systems with the existing workspace	<ul style="list-style-type: none">- Samsung instituted A4 mono and color MFPs and A3 MFPs. By installing the A4 and A3 MFPs, Samsung was able to standardize the entire print fleet, replacing the company's existing devices with Samsung MFPs	<ul style="list-style-type: none">- Improved print fleet management- Reduced printing costs (estimated reduction exceeded 38% in 5 years)- Reduced costs related to paper & toner waste- Effective energy saving

The End

