

Let's improve a process today!



Print Smart



Print Secure



Print Responsibly



Manage Environment

SD Express

Print your business documents securely – wherever you are

Imagine that printing documents across the country - or across continents - was as easy and secure as printing them to your local desktop printer. Imagine that remote offices and telecommuters could access your office printers using the Internet rather than expensive dedicated network connections or complicated virtual private networks. Imagine that you had a fast and affordable alternative to certified mail and couriers. With Capella Technologies' SD Express, you can stop imagining and start printing.

Leveraging the Power of the Web

SD Express uses the Internet to provide remote access to business printers. Authorized users can access SD Express-equipped office printers from across the street or across the country, without the need or expense of dedicated network connections. And that's just the beginning...

Protecting Confidential Business Information

From personnel files, to financial documents, to proprietary marketing data and advertising campaigns, businesses print all types of files that are sensitive or confidential in nature. Even in a standard office environment, these types of documents are at risk of undesired exposure through intentional, or unintentional, mis-routing and interception. Using simple, commonly available software tools, technically savvy employees can easily view or alter the data while it's queued in printer spool files. Transmit these files over the Internet and the risk of unauthorized access or alteration is even greater.

SecureDIMM

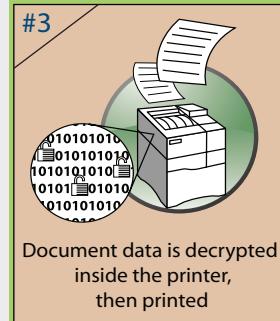
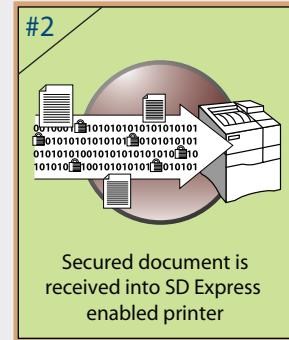
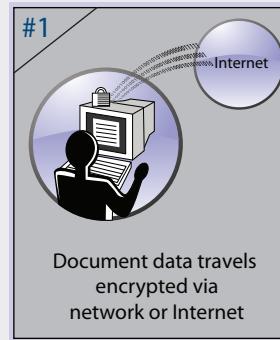
Even within departments of an organization, confidential data sent over a network is not entirely safe. This is why SD Express includes SecureDIMM, an integral component of a comprehensive solution that protects sensitive print job data using advanced encryption technology. When a document is printed, the data is often stored in spool files where it can be viewed, or even altered, with tools as simple as the Microsoft Windows Notepad program. More technically savvy users can even intercept the data directly from the network as it travels to the printer. Even simple mistakes such as directing a print job to the wrong printer can unintentionally expose sensitive data.

SecureDIMM makes it possible to protect sensitive print job data by encrypting the data, making it unreadable, and printable only by specific printers.

SecureDIMM contains firmware that is executed by the microprocessor in the LaserJet printer. This firmware extends the printer with sophisticated data decryption capabilities. Encrypted data is decrypted at its final destination, inside the printer.

In the absence of the decryption commands, the printer continues to function like any standard LaserJet printer, providing maximum investment efficiency. Both encrypted and standard jobs have complete access to other optional printer enhancements such as fonts, page description languages and other Capella Technologies printer enhancement filters.

SD Express Process



Advanced Encryption Technology

Capella Technologies' SD Express utilizes advanced data encryption to protect documents from unauthorized access and alterations. For superior security, flexibility and ease-of-implementation, Capella employs the Rijndael encryption algorithm. Rijndael is the Advanced Encryption Standard (AES) of the National Institute of Science and Technology – an agency of the United States Commerce Department. The SD Express solution waits until the moment of printing to decrypt the printer-bound data, protecting documents throughout the entire transmission process. In the event that the document is somehow routed to the wrong location, encryption makes the resulting output unreadable.

Secure Document Delivery Made Fast and Affordable

SD Express is the fast and economical alternative to past delivery methods, such as mail and courier services, which are time- and cost-intensive processes. Remote users – either employees or qualified business partners – can print to SD Express-equipped printers from anywhere on the Web. Data encryption ensures privacy and document integrity throughout the Web transmission process, combining the security of courier delivered documents with near instantaneous delivery.

This ability to receive and output documents near instantaneously also makes SD Express-equipped printers an alternative to standard fax machines. Instead of the low resolution, second generation documents produced by fax machines, SD Express users receive clean, laser-printed originals combined with a level of document security unmatched by most fax machines.

Leveraging HP® Chai Server Technology

To deliver these capabilities, the Capella SD Express solution leverages HP Chai Server technology. Chai Server gives embedded chip appliances, including the latest generation of HP LaserJet® printers, the ability to connect directly to the Web using standard Web protocols such as HTTP and MIME.

Easy to Use

To provide remote, secure access to the printer, simply insert the SD Express module into any available memory slot in a compatible HP LaserJet printer supporting Chai Server technology.

The SD Express client encryption software can then be installed on the PCs of authorized users, enabling seamless document encryption. These users can be located anywhere on the Web or within a company Intranet.

To print a secure document remotely, users simply set their application to output to the remote printer in the same manner that they would select a directly attached or networked printer. The only end user action required. The SD Express software automatically encrypts the data and emails it to the SD Express-equipped HP LaserJet printer without further user intervention.

Once the file is received, the printer emails an acknowledgement of receipt to the sender and decrypts the document just

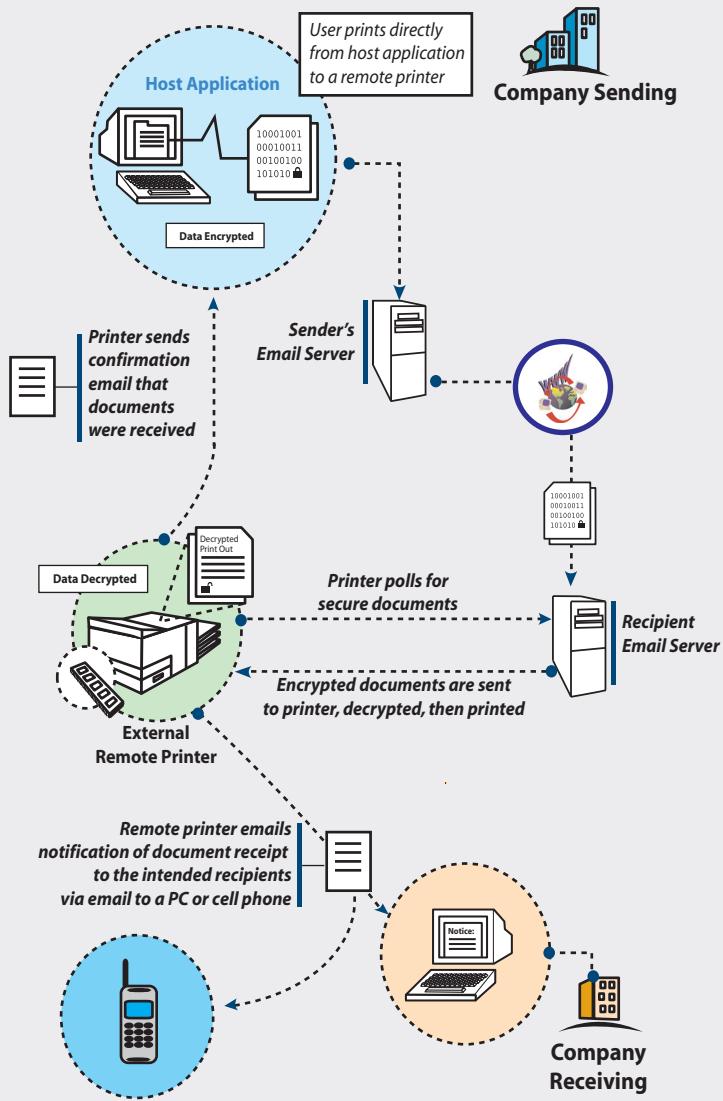
prior to printing, ensuring document integrity and security throughout the printing process. If the document is accidentally, or covertly, routed to the wrong printer, the final output will be unreadable.

Innovative Solutions for Businesses Today

Through the use of Capella Technologies' SD Express, remote printing applications today can be simpler, more affordable and more secure than ever before.

SD Express is just one of many innovative solutions that Capella Technologies offers to simplify business printing processes, promote data security and maximize your investment in HP LaserJet printers. To find out more, contact your Capella Technologies representative today or visit www.capellatech.com.

SD Express Flow Diagram



Specifications for SD Express Printing

PC Requirements for Sender	<ul style="list-style-type: none">• Windows 2000 / XP / Vista / 2003 Server• Installed standard HP printer driver• Internet connection• Access to Internet email server with email account for PC and email address for LaserJet printer
Hardware Requirements for Receiver	<ul style="list-style-type: none">• Chai and SD Express-enabled HP printer

About Capella Technologies, Inc.

Capella Technologies provides document output management and job accounting products, enabling companies to format, print, monitor, allocate, archive, distribute, and secure business-critical documents in the most cost-effective way possible.

With our 35+ years of industry experience, our long-standing relationship with Hewlett-Packard, and our extensive expertise in legacy/ERP system integration, we can help your company to:

- Streamline printing processes
- Reduce overhead costs
- Enhance document/data security
- Improve document quality and consistency

To learn more about SD Express and other products, please visit our website at www.capellatech.com or email sales.info@capellatech.com.

Accredited Solutions
Business Partner 



Print *Smart*



Print *Secure*



Print *Responsibly*



Manage *Environment*