



e-mail solutions

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simple

Electronic messaging is one of the most important IT projects in corporate accounts. With their ability to get paper into e-mail in a single step, quickly and easily, HP Digital Sending Solutions are set to become a standard in corporate networked environments.

HP Digital Sending Solutions enable people to easily share paper documents, photographs and promotional material in colour or black and white. High quality documents can be delivered by e-mail to individuals or to multiple destinations all at the same time, on a network or via the Internet at the push of a button.



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Leveraging industry standard e-mail solutions

HP Digital Sending Solutions can be used with all SMTP compliant e-mail servers and are thus fully compatible with products from all the leading vendors including Lotus, Microsoft and Novell.

System Requirements

HP Digital Sending Solutions use SMTP to send e-mail both over company intranets and over the Internet. The only essential system requirements for HP Digital Sending Solutions to operate successfully in an Internet e-mail environment are TCP/IP and an SMTP Gateway.

Address Book Functions

Both the HP 8100C and 9100C Digital Senders support the LDAP Lightweight Directory Access Protocol to handle addressing, allowing users to look up partial addresses from the Digital Sender control panel. This requires an LDAP server to be installed on the network. These are often installed in company e-mail systems but are not running because the proprietary address book system provided by the e-mail vendor is running instead. However the LDAP server can easily be activated. If the customer does not have or does not want an LDAP server running, address book files can be exported from the proprietary e-mail address book and loaded onto the HP Digital Sender.

Addresses are filed by common name and e-mail address. Lists can be made from any existing address book entries from public or private address books or can be created on-the-fly, and the same list name can be used in different address books.

In the HP Digital Sender 8100C, when an e-mail is sent the recipient's name and e-mail address is saved automatically in the user's personal address book. This can then be edited by the user or the administrator. Public address books can be edited by the administrator only, with user addresses being registered automatically at setup.

Address Book Manager – Administrator Functions

The HP Digital Sender 9100C Address Book Manager allows administrators to create and edit digital sender address books, including public e-mail addresses and distribution lists; public fax addresses and distribution lists; public printers; user profiles; and private e-mail addresses and distribution lists.

Administrators may also import e-mail addresses from other applications in Comma-separated Value (CSV) format; LDAP Data Exchange Format (LDIF); and in Hewlett-Packard Batch Configuration format (HPBC).

Address Book Manager allows setting of security options including setting administrator passwords; and user profile validation by administrator when user profiles are created or changed.

Address Book Manager also enables address books to be backed up or restored.

Address Book Manager – User Functions

HP Address Book Manager allows users to modify their own profiles, create their own e-mail destinations and private distribution lists, and back up their private address books to a local drive.





Address Book Capacity

Each Digital sender can hold the following:

| | |
|--------------------------------------|---------|
| Users | 4096 |
| Public e-mail addresses | 200,000 |
| Public fax addresses | 1024 |
| Public e-mail distribution lists | 512 |
| Public printers | 256 |
| Private e-mail addresses per user | 256 |
| Private distribution lists per user | 100 |
| Entries per e-mail distribution list | 512 |

HP Enterprise Centre

The HP Digital Sender 9100C is supplied with HP Enterprise Centre, a set of Windows application tools. With Enterprise Centre, administrators can select any number of Digital Senders on a network and perform the following tasks: upgrade the firmware; replicate the master configuration for other Digital Senders on the network; backup all configurations and address book contents; restore settings from a previous configuration.

Administrators can also execute the HP Address Book Manager and HP Windows JetAdmin on any selected Digital Sender; enable Logging and Tracing of all Enterprise Centre tools; and create Profiles containing the addresses and properties of all Digital Senders on the network to enable easy administration.

Seamless integration into Microsoft Exchange and Lotus Notes environments

With the addition of NSI's optional Address Book Manager Synchronisation (ABMSync), HP's Digital Sender 9100C Solution becomes an integrated extension of the user's existing Microsoft Exchange/

Outlook or Lotus Notes messaging infrastructures. With NSI's ABMSync the management of Digital Sender user profiles and private address books can be completely automated.

NSI's ABMSync provides system administrators and users with true integration with their existing Microsoft and Lotus environments, specifically in the area of security, private and public e-mail addresses and distribution lists, fax numbers and fax distribution lists. No manual synchronisation needs to be performed, no duplications, no two-step processes or new applications have to be learned.

Users can export both private e-mail and fax numbers across multiple Digital Senders from the same user interface, or access corporate address lists with type-ahead features when sending e-mails from any Digital Sender on the network.

For system administrators NSI's ABMSync offers a single point of deployment and management of multiple Digital Senders. This includes replicating the configuration across groups of Digital Senders in one single automated step, as well as creating user profiles automatically, synchronising them with Microsoft Exchange or Lotus distribution lists to avoid manual procedures. Even if LDAP is used, NSI's ABMSync provides automatic synchronisation of the public address book at the Digital Sender Control Panel with one or more Microsoft Exchange or Lotus Notes Address Books.

HP Smart Compression Technology

HP Smart Compression Technology is a proprietary technology designed to automate the digitising process and create optimum size Adobe PDF files to enable mixed content colour and text documents to be transmitted efficiently – particularly by e-mail. HP Smart Compression Technology differs from conventional compression technologies, such as G4 and JPEG, by applying compression to each page automatically, selectively using different resolutions and bit depths according to the areas of colour and text content.

The average file size of a mixed colour and text PDF document after Smart Compression is around 180 Kbytes per page, ranging from 100 to 400 Kbytes depending on complexity. The average size for business letters, invoices or spot colour is about 80 Kbytes. As a result network traffic and transmission costs are minimised.

Adobe Portable Document Format

HP Digital Sender documents can be sent in one of three alternative file formats – Adobe PDF, Tagged Image File Format (TIFF) or PCL5 (PackBits compressed). Of these, Adobe PDF is one of the industry's most popular and fastest growing formats.

HP Digital Senders produce 3 different document types: "Black and White Text", "Colour Photo" and "Colour Document". "Black and White Text" produces a 300 dpi Image Only format which can be made text searchable by converting to Image + Text format using Adobe Circulate or Acrobat 4.0 or to Normal format by Adobe Capture 2.0. "Colour Photo" produces a 200 dpi Image Only format. This can be converted to Image + Text or Normal by Acrobat 4.0 or Capture 2.0. "Colour Document" produces multiple image areas in one Image Only format. Areas can be of different resolutions and in colour and black and white. Documents can be made text searchable by Circulate but cannot be processed by Acrobat 4.0 or Capture 2.0.

HP Digital Sender documents can be made text searchable by using Adobe Circulate. Searching of all Digital Sender documents in a directory or set of directories can be done from within Circulate itself or by using tools such as Microsoft Index Server if users wish to put files on the Web. PDF files cannot be text edited but annotations and hyperlinks can be added. Acrobat 4.0 has a "Touch-up" tool which allows minor OCR errors to be corrected in individual lines of the electronic document. This tool is not available in Circulate as the text layer is always hidden behind the image.

Further Information

More information on HP Digital Sending Solutions can be found at: NOW-Consulting AG, 5614 Sarmenstorf

www.digitalsender8100C.com

www.digitalsender9100C.com

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Document Security

Because HP Digital Senders are designed to enable documents to be read and re-used easily, documents are sent in unencrypted form. As a result, digitised documents sent via HP Digital Senders are no more and no less secure than in any other e-mail messaging method using any of the e-mail clients in everyday use.

Access Security

In environments where accounting is required and where access and usage are to be controlled, the HP Digital Sender 9100C offers various security access switches which can be set by the system administrator. By disabling the GUEST functionality only known users can gain access via their user profile containing their name, e-mail address, PC address and a password. For added security the administrator can disable user profile creation or set up the system so that each user profile must be validated before being used for the first time and re-validated before being edited in the future.



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