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Printer Marketing Bulletin

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Announcing the Lexmark X854e MFP

Lexmark announces the Lexmark X854e MFP that provides efficient, convenient copy, fax, scan and print capabilities to automate and simplify business processes in large workgroups.

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Overview

The Lexmark X854e MFP is a high-performance departmental monochrome MFP with reliable, high-capacity input designed to meet the needs of rigorous business applications. Automatic 2-sided printing is included as a standard feature.

Printer Technology
- Monochrome laser

Print Speed
- X854e: Up to 55 ppm

Maximum Resolution
- Up to 1200 x 1200 dpi

Time to First Page
- As fast as 5.0 seconds

Processor
- 625 MHz

Memory
- Standard: 256MB
- Maximum: 768MB
- Hard Drive: 80+GB

Standard Connectivity
- USB, Parallel and Ethernet

Optional Connectivity
- Parallel
- Serial
- Wireless 802.11g Adapter

Operating Systems – Printer Driver
- Microsoft® Windows®
- Linux®
- Mac® OS
- Novell
- UNIX

Emulation
- PCL® 6 emulation
- PostScript® 3
- PPDS Migration Tool

Fonts
- PCL 6 emulation
  - Scalable: 89 (84 plus 5 special)
  - Bitmapped: 2
- PostScript 3 emulation
  - Scalable: 158
- PPDS
  - Scalable: 39
  - Bitmapped: 5
- PDF 1.5

Paper Capacity
- Input
  - Standard: 5 sources for 3,100 sheets
  - Maximum: 6 sources for 5,100 sheets
- Output
  - Standard: 1 bin for 500 sheets
  - Maximum: 3 bins – two with finisher -- for 3,800 sheets

Paper Handling
- Input
  - Standard
    - 100-sheet multipurpose feeder
    - Two 500-sheet drawers
    - 2,000-sheet dual input (one 1,200- and one 800-sheet drawer)
  - Optional
    - 2,000-sheet High Capacity Feeder
- Output
  - Standard
    - 500-sheet output (reduced to 300 sheets if finisher is installed)
  - Optional
    - Finisher (3-hole or 4-hole punch)
      - Finisher bin 1: 500 sheets
      - Finisher bin 2: Up to 3,000 sheets

Media Types
- Plain paper, envelopes, card stock, transparencies, paper labels

Media Weights
- Plain paper: 17 to 28 lb.
- Card stock: Up to 110 lb. index

Size and Weight – without finisher
- Size: W x D x H – 25 x 26 x 33 in. (640 x 649 x 1,095 mm)
- Weight: 300 lb. (136 kg)

Duty Cycle
- **Printer**
  - 300,000 pages per month maximum, based on a single-month's usage

Standard Warranty
- 1 year Onsite or 600,000 impressions, whichever comes first

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Part Numbers and Pricing

Product	Part Number	UPC	MSRP*	MAP**
Lexmark X854e MFP	15R0150	7-34646-00281-3	$16,999.00	$16,999.00

* Manufacturer's Suggested Resale Price (MSRP): This price is Lexmark's Manufacturer's Suggested Resale Price and is subject to change without notice. This price is for information purposes only. Lexmark's and our remarketers' prices may vary.

** Applies to accounts covered by the Lexmark MAP policy.

Product Highlights

The Lexmark X854e is a robust departmental monochrome MFP

Features

The high-speed Lexmark X854e MFP provides convenient copy, fax and scan to network capabilities and wide-format, 55 ppm monochrome laser printing.

Customizable color touch screen for easy-to-use, walk-up MFP functions

- Provides access to copy, fax, scan and e-mail and customized profiles for document routing
- Tips are available throughout the user interface for immediate assistance for MFP functions
- Color scanning capability

Security

The Lexmark X854e contains several standard and optional features and functions that improve or enhance the security of the device. See User Guide for more information.

Available MFP Security Features

- Apply an administrative password to restrict unauthorized users from making changes to the MFP configuration.
- Activate internal user authentication so users are required to confirm prior to performing sensitive operations such as scan-to-e-mail and scan-to-fax. This ensures that unauthorized individuals cannot use these functions.
- Disable the Driver to Fax option.
- Disable all unneeded protocols and network communication paths by which the MFP can be configured.
- The MFP touch screen lock function disables the MFP functions such as copy and scan-to-e-mail. This helps secure the MFP from unauthorized use when the office is idle or unattended.
- An administrator must enable the function and set the password for use with the function. Any user may then lock the MFP touch screen or unlock the touch screen using the password.

Setting Security Using the Embedded Web Server (EWS)

- To enhance security of network communications and MFP configuration advanced security options are available through the Web page of the MFP.

Setting the System Password

- Setting the system password protects configuration of the Embedded Web Server.
- A system password is also required for secure mode and confidential communication with MVP.

Using the Secure Embedded Web Server

- The SSL (Secure Sockets Layer) allows for secure connections to the Web server within the print device.
- To connect to the Embedded Web Server more securely, connect to the SSL port instead of the default HTTP port.
- The SSL port connection will encrypt all Web server network communications between the PC and MFP.

Supporting SNMPv3 (Simple Network Management Protocol version 3)

- SNMPv3 protocol allows for encrypted and authenticated network communications. It also lets the administrator select a desired level of security.
- Prior to use, at least one user name and password must be established from the settings page.
- Configuring for SNMPv3 may be accomplished through the Embedded Web Server of the MFP.

Supporting IPSec (Internal Protocol Security)

- IP Security protocol provides authentication and encryption of communications at the network layer, allowing application and network communications over the IP protocol to be secure.
- IPSec can be set up between the MFP and up to five hosts, using both IPv4 and IPv6.

Disabling ports and protocols

TCP and UDP ports can be configured to one of three modes or values:

- **Disabled -** Never allows network connections to this port
- **Secure and unsecure -** Allows the port to remain open, even in Secure mode
- **Unsecured only** - Allows the port to only open when the MFP ss not in Secure mode

Using 802.1x Authentication

- 802.1x port authentication allows the MFP to join networks that require authentication before allowing access.
- 802.1x port authentication can be used with the WPA (Wi-Fi Protected Access) feature of an optional internal wireless print server to provide WPA-Enterprise security support.
- Support for 802.1x requires the establishment of credentials for the MFP.
- The MFP must be known to the Authentication Server (AS). The AS will allow network access to devices presenting a valid set of credentials which typically involves a name/password combination and possibly a certificate. The AS will allow network access to MFPs presenting a valid set of credentials.
- The credentials can be managed by using the Embedded Web Server of the MFP.

Locking the Operator Panel Menus

- Operator Panel Menu Lockout allows creation of a PIN number and choice of specific menus to lock.
- Each time a locked menu is selected, the user is prompted to enter the correct PIN at the operator panel. The PIN does not affect any access through the EWS.

Printing Lockout

- Printing Lockout allows locking or unlocking of an MFP using an assigned PIN. When locked, every job the MFP receives will buffer to the hard disk.
- A user can print jobs only by entering the correct PIN on the operator panel.
- A PIN can be assigned through the Web page of the MFP.

Note: Back channel data will be processed while the MFP is locked. Reports such as user or event logs can be retrieved from a locked MFP.

Confidential Print Setup

- Confidential Print Setup allows the designation of a maximum number of PIN entry attempts and allows setting an expiration time for print jobs.
- When a user exceeds a specific number of PIN entry attempts, all of the user's print jobs are deleted. When a user has not printed their jobs within a designated time period, the print jobs are deleted.

Encrypting the Hard Disk

- Disk encryption provides protection of sensitive data stored on internal hard disk drives in the advent of unauthorized access to the hardware.
- When enabled, disk encryption uses 128 bit AES encryption to encrypt all data stored on the drive. This feature is disabled by default and enabled through the Power On Configuration menu.
- When enabled or disabled, the entire drive is formatted, destroying any references to data that may have been stored previously.

Hard Disk Wiping

- Hard disk wiping performs a multi-pass overwrite of all sectors on the hard disk, mitigating the potential exposure risks sensitive information.
- This feature is performed as needed and is accessed through the Power On Configuration menu.

Using the Restricted Server List Function

- The Restricted Server list lets a system support person restrict which hosts are allowed to communicate with the MFP over the network to prevent other hosts from managing and printing to the MFP.

Note: The Restricted Server List only restricts TCP traffic; it does not affect UDP traffic. The Restricted Server List supports up to ten host addresses or ten network addresses.

Digitally Signed Firmware Update Files

- Upgraded firmware files from Lexmark are now signed with a digital signature, which verifies the source and authenticity of the updated code.
- This prevents a malicious user from creating and uploading to the MFP custom code that could intercept and expose potential confidential data.

Workflow Integration with Document Distributor and the Lexmark X854e MFP

- Interactive e-routing from touch screen to intelligently move workflow documents over the

network using the optional Lexmark Document Distributor software
- Account number, name, or fax number can be entered to interactively distribute paper and digital documents
- Predefined choices can be listed to simplify repetitive manual processes and reduce errors

Connectivity
- Ethernet 10/100BaseTX
- USB
- Parallel

Optional Network Connections
The following internal network option may be installed in the single available ISP slot.
- Optional RS-232-C Serial Card

Direct USB Printing and Scanning
Direct USB connectivity allows individuals to print or scan PDF, TIFF, and JPEG files directly to the MFP using an approved USB flash memory device. Through the MFP's USB Direct interface located on the MFP operator panel, a user can simply insert the USB flash memory device, select the appropriate file and choose to print or scan the file on this specific MFP.

Direct USB requires a supported USB flash memory device. Lexmark has tested and approved the following USB flash memory devices.
- Lexar JumpDrive 2.0 Pro (256MB, 512MB, 1GB)
- SanDisk Cruzer mini (256MB, 512MB, 1GB)

Note: Testing of these devices does not imply endorsement of these specific brands.

While other USB flash drives have not been tested and therefore cannot be approved by Lexmark, these products may function if the storage device meets the following qualifications:
- Supports the USB 2.0 specification, specifically supporting the Full-Speed mode
- Use the FAT file system

In addition to the above hardware requirements, PDF files used with Direct USB printing must support PDF standard version 1.5 or earlier. PDF files with restricted printing permissions or encryption are not supported.

Optional External Network Connections
- 802.11g Wireless Print Adapter – uses Ethernet port

Scanner Features
- Up to 55 ppm monochrome scan unit (black, simplex scanning)
- Color scanning at up to 27.5 ppm
- Automatic 2-sided scanning
- Lexmark MFP Utilities CD
- Maximum optical scan resolution
  - Black: 600 x 600 dpi
  - Color: 600 x 300 dpi

Copy
Job Setup
- Copy Quantity -- set number of copies from 1 to 999 -- scans original only once
- Special Copy Media -- select copy media loaded in the printer
- Reduce or Enlarge -- scale image output from 25% to 400%
- Image Length or Width -- scale the image output from 25% to 400%
- Paper Saver – select 2-up or 4-up output from portrait or landscape
- Date and Time Stamp -- puts the date and time on the top of each copy page
- Message Overlay -- adds a watermark (copy, draft, urgent, or confidential) to each page

Quality
- Automatic image processing – scans single-sided copy documents at up to 55 scans per minute in black and 27.5 scans per minute in color
- Lighter or Darker -- adjusts the copy output darkness
- Edge Erase -- eliminates smudges or information around the edge of the original document
- Content -- sets the scanner mode for text, mixed or photo or printed image
- Grayscale: Optimizes image for shades of gray
- Select bit depth

Finishing
- Simplex or Duplex – copies on one or two sides of sheet – copy 1 to 1, 1 to 2, 2 to 1 or 2 to 2
- Advanced Duplex -- capability available to set binding for landscape or portrait input and output
- Collate -- electronically collates copy output
- Separator Page -- adds a separator page between each copy set
- Staple and Hole Punch -- with the finisher installed, copies can be stapled and hole punched

- Margin Shift -- scales image to provide up to a 2-inch left-hand margin for hole punching or binding
- Book Original -- divides an original placed on the document glass into two simplex pages or one duplex page
- Create Booklet -- creates a sequence of collated output that, when folded in half, forms a booklet

Fax

Job Setup

- Maximum fax resolution: 400 x 400 dpi
- Fax speed: 33.6 Kbps
- Address Book -- search LDAP and/or internal shortcut directory for names with associated fax numbers
- Simple Fax -- enter fax numbers from hard button keypad or virtual keypad on touch screen
- Fax Cover Page -- enter “To”, “From” and “Message” -- shows completed page before sending for user verification
- Original -- designates original size for auto scaling based on receiving machine’s print-size capability
- Book Original -- divides an original placed on the document glass into two (2) pages
- Sides – used to select duplex original for one-step faxing of duplex originals
- Advanced Duplex -- set duplex original bindings and orientation
- Fax Shortcuts -- 99999 shortcut numbers to designate individuals or groups
- Delayed Send -- set time and date to initiate current fax job
- Fax Queue -- displays list of outgoing faxes and a current incoming fax if in process
- Station ID can be switched between station name and station number

Quality

- Lighter or Darker -- adjusts the fax output darkness
- Edge Erase -- eliminates smudges or information around the edge of the original document
- Resolution Settings – set fax resolution to standard (200 x 100 dpi), fine (200 x 200 dpi), superfine (300 x 300 dpi) or ultra fine (400 x 400 dpi)
- Content -- sets the scanner mode for text, mixed or photo

Driver Fax

- Outbound fax is supported from the printer drivers under the following operating systems
  - Apple Mac OS 9.x
  - Apple Mac OS X
  - Microsoft Windows 98 SE
  - Microsoft Windows Me
  - Microsoft Windows NT 4.0 SP6
  - Microsoft Windows 2000
  - Microsoft Windows XP (system drivers)
  - Microsoft Windows Server 2003 (system drivers)
  - HP-UX 11.00, 11.11
  - IBM AIX 5.1, 5.2
  - Sun Solaris 7, 8, 9
  - Red Hat Linux 7.3, 8.0, 9.0, Enterprise WS 3.0
  - SuSE Linux 8.0, 8.1, 8.2, 9.0

Quality

- Outbound fax is supported from the following fax servers
  - Biscom: FAXCOM
  - Equisys: ZetaFax version 7
  - Om Tool: Fax Sr. Enterprise
  - RightFax: RightFax Enterprise Server v7.0, v8.0

E-Mail

Job Setup

- Address Book -- search LDAP and/or internal shortcut directory for names with associated e-mail addresses
- Simple E-mail -- enter comma separated e-mail addresses or FTP destinations from virtual keyboard on touch screen
- E-mail Shortcut Keys -- 99999 numbers available to designate individuals or groups
- E-mail Subject -- enter subject via virtual keyboard
- Select automatic “send to self”
- E-mail Message -- enter message via virtual keyboard
- Format -- select PDF, JPEG, TIFF or PostScript (PDF, TIFF, PS support multi-page images in a single file; JPEG is a single page per file name)
- Original -- designates original size for scanning
- Sides -- used to select simplex or duplex, portrait/landscape original
- Advanced Duplex – set duplex original bindings and orientation
- Send-to-self feature

Quality

- Lighter or Darker -- adjusts the output for lighter or darkness
- Edge Erase -- eliminates smudges or information around the edge of the original document
- Resolution -- user selectable image resolution up to 600 dpi
- Content -- sets the scanner mode for color black for text, mixed or photo
- Grayscale – selects monochrome grayscale

Finishing

- Advanced Duplex – selects capability to set scanned image duplex binding for landscape or portrait
- Book Original -- divides an original placed on the document glass into two (2) images

Profiles

- Profiles are loaded from three (3) sources
  - Temporary profile from a user PC using the Web page
  - Temporary profile from a PC using Lexmark Document Distributor (LDD) ScanBack utility
  - Temporary or permanent profile from LDD Server utility
    (**Note**: Temporary profiles are deleted after use)
- Listings -- presents a list of active profiles
- Sort -- sort listings by alphanumeric or shortcut number
- Non-interactive Profiles
  - Select a profile name or profile shortcut number
  - No user input required
  - Loaded from Web page, ScanBack or LDSS Server
- Advanced Profiles (requires LDSS server)
  - User input or predefined list of input choices
  - Static Profile Prompt – user enters alphanumeric data or answers LDSS prompts
  - Dynamic Profile Prompt –user is prompted by LDSS server for input based on answer to each prompt
  - Messaging, e.g., "Enter 10-digit patient number"

System Administration

System Configuration

System configuration is performed using the Web pages for the MFP controller. The Web pages can be accessed at the MFP using the touch screen and virtual keyboard, or remotely from the administrator's PC. Access to the configuration screens can be password protected. It is recommended that once the device has an IP address, the remaining configuration be done from a Web browser by pointing to the IP address of the device. From the System Configuration screen, the Administrator can set the following defaults.

- General Setup -- set timeouts, hours of operation, enter a contact name or telephone number for assistance
- Import and Export Destination Files: Copy all MFP settings from one MFP to another
- Copy Defaults -- set copy presentation, quality, finishing, output bin, etc.
- Fax and Server Setup -- set station name and number, fax queue access, cover page, quality, redial, fax log, etc.
- Scan to Network General Setup – set SMTP gateway, reply address, subject, message, etc.
- Scan to E-mail General Setup -- set SMTP gateway, reply address, subject, message, etc.
- Function Access -- set user access for copy, fax, e-mail, and profiles
- Configuration for Kerberos authentication and LDAP server parameters
- Windows Active Directory support and secure directory browsing
- Manage Destinations – set up shortcuts for e-mail, fax and FTP and delete profiles
- Printer and Print Server -- access to printer Web page
- Authentication Setup and Configurations – set up internal authentication or configure for LDAP authentication.
- Create Scan Profiles – utility to create permanent scan profiles

Windows NT and Windows 2000 Domain Setup

Registering the MFP with the Microsoft NT/Windows 2000 domain can not be done remotely through the Web pages. It must be done at the MFP and requires administrator's privileges on the domain to be registered. The following information is needed for Windows NT/Windows 2000 domain registration and are entered through the MFP touch screen and virtual keyboard:

- Domain Name
- Domain PDC Name
- Administrator User ID and Password

Calibrate Touch Screen

This is used to recalibrate the touch screen if required.

Print Reports

This presents the Administrator a list of reports for simple one-touch printing.

Fax Server

The X854e MFP is compatible with the following Fax Server software:

- Biscom: FAXCOM
- Equisys: ZetaFax version 7
- OmTool: Fax Sr. Enterprise
- RightFax: RightFax Enterprise Server v7.0, v8.0

Electronic Document Management Systems (EDMS)

Kofax

The X854e MFP is compatible with Kofax™ Ascent™ Capture version 5, Ricochet Capture and Ricochet Coversheet products. The scan-to-network capability of the MFP can be used to instantly scan documents over the network to Kofax Ricochet Capture or Ricochet

Coversheet products. Ascent Capture can recognize, index, quality assure, and release documents into many EDMS applications.

The Ascent Capture application supports systems from many leading EDMS providers, including:
Adobe, Altris Software, A.I.S., Anite Public Sector, asOne, CyLex, Documentum, DocuWARE, Eastman, Excalibur, Fabasoft, FileNET, Full Circle, Gauss Interprise, Hershey Technologies, Hummingbird, Hyland Software, IBM, icomXpress, IMR, InterTech, Kainos, LaserFiche, LizardTech, MDY Advanced Tech, Mobius, Open Text, Optika, OTG, Quest, SolCom, Systemware

For additional information go to Kofax information on the Lexmark Web site.

Supplies

The Lexmark X854e MFP uses only toner cartridges designed for use with the Lexmark X850e, X852e and X854e MFPs.

Toner Cartridge Yield

The X850e, X852e and X854e Toner Cartridge yield is up to 30,000 standard pages.

* Average cartridge yield 30,000 standard pages. Declared yield value in accordance with ISO/IEC 19752.

Photoconductor Yield

The X850e, X852e and X854e Photoconductor yield is up to 70,000 pages.

Print Speed and Performance

Print Speed

	Letter, A4	11 in x 17 in., A3
	Long-edge feed	Short-edge feed
Simplex Printing (pages per minute)		
Tray 1	55	28
Duplex Printing (sides per minute)		
Tray 1	50	18

Note: Speeds are for 300 dpi, 600 dpi and 1200 Image Quality using plain paper setting. Actual speed will vary with other media type settings.

Performance

Actual performance depends on

- Interface to the host (serial, parallel, USB, network)
- Host system and application
- Network complexity and traffic
- Page complexity and content
- Certain printer options installed and selected
- Printer memory
- Media size, media type setting and tray source

Time to First Copy

- Flatbed: as fast as 6.2
- Automatic Document Feeder: as fast as 7.4 seconds

Processor

625 MHz processor

Printer Memory

Memory Configuration

- Standard: 256MB
- Maximum: 768MB

Hard Drive

- 80+GB Hard Drive

Available Printer Memory Options

Optional 128MB, 256MB and 512MB DDR DRAM cards are available from Lexmark.

Flash Memory Options

Optional 32MB and 64MB cards are available from Lexmark.

Expansion Slots and Ports

- DRAM DIMM Slot: 1
- Optional Firmware Card Ports: 2 (one firmware card and one flash memory card are supported. Each may be installed in either slot)
- Internal Solution Ports: 1

Paper Handling

Print Feed Orientation

Paper (letter and A4):	Long-edge and short-edge feed from trays 1 and 2
Card stock and transparencies:	Long edge feed from tray 1
Envelopes	Long edge feed from multipurpose feeder

Input Capacity and Weight by Media and Source

Media	Weight	Capacity
Tray 1		
Paper, paper labels, transparencies	64 to 105 g/m^2 17 lb. bond	Up to 500 sheets (20 lb. paper)
Tray 2		
Paper, card stock, transparencies, paper labels	64 to 216 g/m^2 17 lb. bond 90 lb. index	Up to 500 sheets (20 lb. paper)
2,000-Sheet Dual Input and 2,000-Sheet High-Capacity Feeder		
Paper, card stock	64 to 105 g/m^2 17 to 28 lb. bond	Up to 2,000 sheets (20 lb. paper)
2 x 500-Sheet Option		
Paper	64 to 216 g/m^2 17 to 28 lb. bond	1,000 sheets (20 lb. paper)
Multipurpose Feeder		
Paper, card stock, paper labels, transparencies, envelopes	60 to 163 g/m^2 17 lb. bond 110 lb. index	100 sheets (20 lb. paper)

Output Capacity by Media and Source

	Standard Bin	Finisher Bin 1	Finisher Bin 2
Capacity (20 lb. letter plain xerographic paper)	Up to 500 sheets*	500 sheets	3,000 sheets
Full Sensor	Supported	Supported	Supported
Hole Punch			Supported
Staple			Supported
Offset Stack	Supported		Supported

*Standard bin with finisher installed: Up to 300 sheets
** Capacity lowered to 300 when using mixed media

Output Media Sizes Supported

	Standard Bin	Finisher
JIS-B5, JIS-B4, Executive, Letter, A4, 11” x 17”, A3, Legal, Folio	Supported	Supported
Statement, A5	Supported	Bin 1
Universal	Supported	Supported
Envelopes (7 ¾ , 10, DL, C5, other)	Supported	

Media Size

	Tray 1	Tray 2	2,000-sheet drawer	MP Feeder
A5 5.83” x 8.27” (148 mm x 210 mm)	*	*	*	*
JIS-B5 7.17” x 10.23” (182 mm x 257 mm)	*	*	*	*
JIS-B4 10.12” x 14.33” (257 mm x 364 mm)	*	*		*
Executive 7.25” x 10.5” (184 mm x 267 mm)	*	*	*	*
Letter 8.5” x 11” (216 mm x 279 mm)	*	*	*	*
A4 8.27” x 11.7” (210 mm x 297 mm)	*	*	*	*
Tabloid 11” x 17” (279 mm x 432 mm)	*	*		*
A3 11.69” x 16.54” (297 mm x 420 mm)	*	*		*
Legal 8.5” x 14” (216 mm x 256 mm)	*	*		*
Statement 5.5” x 8.5” (140 mm x 216 mm)	*	*		*
Folio 8.5” x 13” (216 mm x 330 mm)	*	*		*
Universal Maximum Width: 11.7” (297 mm) Maximum Length: 16.9” (431 mm) Minimum Width: 5.5” (139.7 mm) Minimum Length: 7.1” (182 mm)	*	*		
Universal Maximum Width: 11.7” (297 mm) Maximum Length: 17” (432 mm) Minimum Width: 3.5” (89 mm) Minimum Length: 3.8” (98.4 mm)				*
7 ¾ Envelope 3.875” x 7.5” (98 mm x 191 mm)				*
10 Envelope 4.125” x 9.5” (105 mm x 241 mm)				*
DL Envelope 4.33” x 8.66” (110 mm x 220 mm)				*
C5 Envelope 6.38” x 9.01” (162 mm x 229 mm)				*
Other Envelope Maximum Width: 9.65” (245 mm) Maximum Length: 8.5” (216 mm) Minimum Width: 3.5” (89 mm) Minimum Length: 3.8” (98.4 mm)				*

Paper

Follow the media guidelines below for best printing results.

- Rough, highly textured, limp, or pre-curled papers will result in lower print quality and more frequent paper feed failures.
- Colored papers must be able to withstand 230 deg. C (446 deg. F) fusing temperature.
- Preprinted forms and letterhead should be selected using guidelines found in the printer User's Guide. The chemical process used in preprinting may render some papers unsuitable for use with the X854e MFP.
- Unsuitable papers include multipart forms and documents; chemically treated papers; coated, synthetic and thermal papers; and preprinted papers requiring a high degree of registration.
- Recycled paper less than 80 g/m^2 may cause unacceptable results.

Envelopes

- If envelope wrinkling occurs, refer to the User’s Guide for correct loading and stacking of envelopes
- All envelopes should be new, unused and without package damage.

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- Envelopes with excessive curl or twist exceeding 0.12 in. (6 mm), stuck together, with bent corners or nicked edges or those that interlock should not be used.
- Minimum weight: 20 lb. (75 g/m^2)
- The following envelopes should not be used:
  - Envelopes with windows, holes, perforations, cutouts, deep embossing or package damage
  - Envelopes with metal clasps, string ties or metal folding bars
  - Envelopes with exposed flap adhesive when the flap is in the closed position
- For best results, printing on new 90 g/m^2 (24 lb.) sulfite or 25% cotton bond envelopes is recommended.
- Under high humidity conditions (over 60%) the envelopes may seal during printing.

Transparencies

- Use letter or A4-size sheets only.
- Transparencies specifically designed for xerographic copy machines or laser printers may be used with the Lexmark X854e MFP.

Labels

Labels should be selected using guidelines found in the User's Guide or the Cardstock and Label Guide, and tested for acceptability.

Options and Features

Finisher

An optional finishing option is available for the Lexmark X854e MFP. It has two output bins with bin full and empty sensing and supports stapling, hole punching and offset stacking. The Finisher is designed for customer setup and attaches to the right side of the printer. There are two orderable part numbers, Finisher 2/3-hole and Finisher 2/4-hole. Power is supplied from the printer power supply therefore no separate external power source is required. Total output capacity is 3,800 sheets: Standard output: 300 sheets, Bin 1 is 500 sheets and Bin 2 is 3000 sheets (unstapled, 20lb/75g/m^2, A4/Letter, plain paper).

Stapling

Staple Capacity: 5,000 staples

Staple-low Sensing: Yes – with approximately 20 staples remaining

Staple-out Sensing: Yes

Maximum Packet Size: 50 sheets (20 lb. (75g/m^2), A4/letter, plain paper).

Staple Output Bin: Finisher bin 2 only

Hole Punching

- Letter size: Standard 2/3-hole punch
- A4 size: Standard 2/4-hole punch
- Collector box full sensing: Yes
- Maximum packet size: Until the bin is full
- Hole punch output bin: Finisher bin 1 or bin 2

Offset Stacking

Offset bin output: Finisher bin 2 or printer standard bin

Offset stacking in the printer standard bin is 1.18 in. (13 mm)

Finisher Limitations

- Maximum paper size 11.7 in. x 17 in.
- Universal size media output is not supported
- Stapling may reduce output bin capacity
- The hole punch configuration is factory set and not user or field configurable
- The hole punch does not support transparencies, labels or card stock
- Card stock up to 90 lb.
- Printer standard bin capacity is reduced to 300 sheets of 20 lb. (75 g/m^2), A4/letter, plain paper with the finisher installed.

2000-Sheet High Capacity Feeder

The optional High Capacity Feeder provides one additional input tray

- Capacity: 2,000 sheets plain paper (20 lb.)
- Media types supported: plain paper
- Minimum size: B5 or Executive
- Maximum size: A4 or letter
- Automatic size sensing: B5, letter and executive

Note: Auto size sensing for B5 and executive requires the "SIZE SENSING" setting to be changed in the printer configuration menu.

Standard Duplex

The Lexmark X854e is shipped with the duplex option.

The duplex does not support card stock, transparencies, labels or envelopes.

Forms

The Forms application requires the MFP be assigned to a Lexmark Document Portal Server v3.2 or later. The

Lexmark Document Portal is a customizable print-on-demand software application that automates pull printing and distribution of documents from a central server. Lexmark Document Portal forms access can be secured by requiring user authentication.

Two types of forms are supported.

- Static – brochures and auto-fill forms such as loan applications
- Auto-fill Forms – those that require the user to enter input using the MFP touch screen keyboard

FileNet

The scan-to network capability of the Lexmark X854e MFP allows documents to be scanned over the network into FileNet module. By adding Lexmark's Document Distributor Server software, an end user can be prompted to enter alphanumeric index information on the MFP's front panel to be included with the scanned document.

Part Numbers and Pricing

Description	Part Number	UPC	MSRP*
Supplies			
Lexmark X850e, X852e, X854e Toner Cartridge	X850H21G	7-34646-25563-9	$ 163.00
Lexmark X850e, X852e, X854e Photoconductor Kit	X850H22G	7-34646-25564-6	$ 198.00
Lexmark Staple Cartridges (3 cartridges of 5,000)	25A0013	7-34646-55313-1	$ 112.00
Options			
Lexmark X850e, X852e, X854e 2,000-Sheet High-Capacity Feeder	15R0145	7-34646-25562-2	$1,589.00
Lexmark X850e, X852e, X854e 2,000-Sheet Dual Input	15R0120	7-34646-25561-5	$1,589.00
Lexmark X850e, X852e, X854e 2- or 3-Hole Finisher	15R0144	7-34646-25558-5	$1,750.00
Lexmark X850e, X852e, X854e 2- or 4-Hole Finisher	15R0143	7-34646-25559-2	$1,750.00
Memory			
Lexmark 128MB DDR DIMM	13N1523	7-34646-06838-3	$1,099.00
Lexmark 256MB DDR DIMM	13N1524	7-34646-06782-9	$1,579.00
Lexmark 512MB DDR DIMM	13N1526	7-34646-06783-6	$1,899.00
Flash Memory			
Lexmark 32MB Flash Card	1021208	7-34646-05071-5	$ 279.00
Lexmark 64MB Flash Card	1021209	7-34646-05072-2	$ 529.00
Font Cards			
Lexmark Korean Font Card	1021240	7-34646-39894-7	$ 255.00
Lexmark Simplified Chinese Font Card	1021241	7-34646-39895-4	$ 255.00
Lexmark Traditional Chinese Font Card	1021242	7-34646-39896-1	$ 255.00
Lexmark Japanese Font Card	1021243	7-34646-39897-8	$ 255.00
Network Connections			
Wireless Networking Option			
Lexmark 802.11g Wireless Print Adapter	1010042	7-34646-02964-3	$ 279.00
Internal Networking Option			
Lexmark MarkNet N8000 Fast Ethernet Print Server	14S0230	7-34646-39866-4	$ 508.00
Lexmark MarkNet N8020 Gigabit Ethernet Print Server	14S0200	7-34646-39870-1	$ 549.00
Lexmark MarkNet N8030 Fiber Ethernet Print Server	14S0220	7-34646-39869-5	$ 555.00
Wireless Print Server			
Lexmark MarkNet N8050 802.11g Wireless Print Server	14S0165	7-34646-39867-1	$ 499.00
Cables and Attachments			
Bidirectional Parallel Cable (10 ft.) - RoHS	1021231	7-34646-06512-2	$ 21.00
Serial Cable (50 ft.)	1038693	7-34646-21649-4	$ 60.00
2-Meter USB Cable -- RoHS	1021294	7-34646-06513-9	$ 21.00
Lexmark RS-232C Serial Interface Card	1021092	7-34646-05068-5	$ 21.00

* Manufacturer's Suggested Resale Price (MSRP): This price is Lexmark's Manufacturer's Suggested Resale Price and is subject to change without notice. This price is for information purposes only. Lexmark's and our remarketers' prices may vary.

Data Streams

- PostScript 3 Emulation
- Hewlett-Packard Company PCL 6 Emulation
- PPDS Migration Tool
- PDF v1.5 emulation

Fonts

- PCL 6 emulation
  - Scalable: 84
  - Bitmapped: 2
- PostScript 3 emulation
  - Scalable: 158
- PPDS
  - Scalable: 39
  - Bitmapped: 5
- PDF 1.5

For a listing of specific fonts, visit www.lexmark.com.

For a listing of specific fonts, visit www.lexmark.com.

The fonts in the PCL emulation are compatible with the fonts in the HP LaserJet 4550 and include nine additional fonts and many extra symbol sets to support extra languages and applications. Included in the PCL emulation are OCR-A, OCR-B and Code 3 of 9 bar code fonts. The fonts in the PostScript emulation are compatible with all 136 fonts In Adobe PostScript 3 and include 22 additional fonts.

Additional fonts can be downloaded to the printer RAM or optional Flash Card. PCL emulation supports both scalable and bitmapped downloadable fonts. PostScript emulation supports only downloadable scalable fonts.

Included on the CD shipped with the printer are screen fonts to match the printer's resident scalable fonts. The CD also includes a variety of downloadable fonts for Hebrew and Arabic.

Support for the euro currency character is included in all applicable fonts for both the PostScript and PCL emulations. Twelve of the PCL symbol sets support the euro character, including all seven Windows symbol sets.

The MFP code includes special Optra S font compatibility modes in both the PostScript and PCL emulations for backward compatibility.

The printer supports Unicode printing with special UTF-8 encodings in both the PCL and PostScript emulations. UTF-8 encoding is a particular way to access characters that is very useful for fonts with large character sets. UTF-8 is used by our SAP printing solution.

DBCS Font Cards

The optional DBCS (Double-Byte Character Set) font cards provide printer-resident fonts for use printing Simplified Chinese, Traditional Chinese, Japanese and Korean. The DBCS font cards are suitable for use in a range of Lexmark printers and MFPs.

Fonts contained in these cards emulate those provided in Microsoft Windows. The Windows drivers provided on the CD that ships with the printer map the Windows system fonts to these printer-resident fonts. The use of printer-resident fonts in the card improves performance and minimizes network traffic, since less data is downloaded to the printer.

Each font card supports encodings appropriate for the language, including Adobe CID font formats.

- **Chinese DBCS Fonts** – These cards are for use with PCL and PostScript emulations. DCBS font support is available for the following languages
  - Simplified Chinese for China with four scalable fonts
  - Traditional Chinese for Taiwan with three scalable fonts

  The fonts used with the PCL emulation are compatible with the fonts in the HP LaserJet Language DIMM Memory options for Traditional Chinese and Simplified Chinese, which are compatible with the HP LaserJet 4050, 4000, 4000 N, 4000 T and 4000 JN printers.

  These fonts are available in the PostScript emulation and are compatible with Adobe PostScript 3.

- **Japanese DBCS Fonts** – The Japanese font card contains two scalable fonts for use in the PostScript emulation. These fonts are compatible with Adobe PostScript 3 emulation and emulate Adobe PostScript fonts such as those in the Canon LBP-730PS printer.
- **Korean DBCS Fonts** – The Korean font card contains eight scalable fonts for use with PCL and PostScript emulations and are compatible with Adobe PostScript 3.

The fonts used with the PCL emulation are compatible with the fonts in the HP LaserJet 4050, 4000, 4000 N, 4000 T and 4000 JN printers

MarkNet Compatibility and Protocol Support

- Protocol Families
  - TCP/IP (IPv4)
  - TCP/IP (IPv6)
  - IPX/SPX
  - AppleTalk
  - LexLink (DLC/LLC)
- Printing Methods
  - Direct IP (port 9100)
  - Enhanced IP (port 9400)
  - LPR/LPD
  - IPP 1.0
  - FTP
  - TFTP
  - Pull Printing with SSL
  - Native queue-based NetWare printing (bindery or NDS)
  - AppleTalk printing
  - LexLink printing
- Management Protocols
  - ICMP
  - DHCP
  - BootP
  - RARP
  - AutoIP
  - SNMPv2c (supports MIB-2, host resources MIB, printer MIB, enterprise MIB, SNMP Traps)
  - SNMPv3
  - IGMP
  - WINS
  - DNS
  - HTTP
  - HTTPS (SSL/TLS)
  - SLPv1
- Application Services
  - Ping
  - Finger
  - TelnetNTP
  - Zero configuration
  - mDNS
  - DDNS
- Embedded Web Server Functionality (supported in Internet Explorer 5.x or later, NetScape Navigator 4.5 or later, Apple Safari 1.0 or later, Mozilla FireFox 1.0 or later
  - Configuration/Status via Embedded Web Server
  - Flash Update
  - Mirrored Operator Panel
- Configuration and Other Services
  - Print Server Configuration via Universal Configuration File (UCF)/FTP
  - Print Server Configuation via Telnet (port 9000)
  - Flash Update via TFTP
  - Flash Update via MarkVision Professional
  - Discovery/Basic Status via MarkVision Professional
  - Configuration via MarkVision Professional
  - Advanced Status via MarkVision Professional
  - Secure Communications via MarkVision Professional
  - E-mail Alerts
  - TCP/IP port access control
  - Configuration Password
  - TCP restricted server list
  - 802.1x Authentication (EAP-MD5, EAP-MSCHAPv2, EAP-TLS, EAP-TTLS, LEAP, PEAP)
  - IPSec (IP Security – Ipv4 and IPv6 support)

Operating System Support

The Lexmark X854e MFP is compatible with applications running under the following operating systems.

Download the latest version from the Lexmark Web site.

Apple Macintosh

- Apple Mac OS 9.x
- Apple Mac OS X (10.2, 10.3 or 10.4)

Note: Software applications that operate with most Apple LaserWriter printers will generally operate with the Lexmark X854e MFP.

Microsoft Windows

- Microsoft Windows 95 4.00950 (OSR2) or later
- Microsoft Windows 98 1st Edition
- Microsoft Windows 98 2nd Edition
- Microsoft Windows Me
- Microsoft Windows NT 4.00 SP6
- Microsoft Windows NT 4.00 Server SP6
- Microsoft Windows 2000 Professional
- Microsoft Windows 2000 Server
- Microsoft Windows 2000 Advanced Server
- Microsoft Windows 2000 Server running Terminal Services
- Microsoft Windows 2000 Server running Terminal Services with Citrix MetaFrame XP Presentation Server
- Microsoft Windows 2000 Server running Terminal Services with Citrix MetaFrame Presentation Server 3.0
- Microsoft Windows 2000 Server running Terminal Services with Citrix MetaFrame Presentation Server 4.0
- Microsoft Windows XP Home
- Microsoft Windows XP Professional
- Microsoft Windows XP Professional x64 Edition
- Microsoft Windows Server 2003 Standard Edition
- Microsoft Windows Server 2003 Enterprise Edition
- Microsoft Windows Server 2003 x64 Standard Edition
- Microsoft Windows Server 2003 x 64 Enterprise Edition
- Microsoft Windows Server 2003 running Terminal Server
- Microsoft Windows Server 2003 running Terminal Server with Citrix MetaFrame XP Presentation Server
- Microsoft Windows Server 2003 running Terminal Server with Citrix MetaFrame XP Presentation Server 3.0
- Microsoft Windows Server 2003 running Terminal Server with Citrix MetaFrame XP Presentation Server 4.0

Note: The Windows software applications that operate in the operating systems listed above are best suited to run with the drivers supplied with the Lexmark X854e. These drivers take advantage of printer functions and increase the printer performance.

Novell

- Novell® NetWare® 3.2, 4.2 (bindery)
- Novell NetWare 4.2, 5.x, 6.x (NDS™)
- Novell NetWare 5.x, 6.x with iPrint or NDPS
- Novell Open Enterprise Server for NetWare with NDS, iPrint or NDPS

Linux™

- Red Hat Enterprise WS 3
- Red Hat Enterprise WS 4
- SuSE™ Linux Enterprise Server 8
- SuSE Linux Enterprise Server 9
- SuSE Linux Professional 9.1
- SuSE Linux Professional 9.2
- Debian GNU/Linus 3.0
- Linspire 4.5
- Red Flag 4.0 (Simplified Chinese only)
- Red Flag 9.2 (Traditional Chinese only)

UNIX

- HP-UX 11.00, 11.1
- IBM AIX 5.1, 5.2, 5.3
- Sun Solaris™ SPARC 7, 8, 9, 10
- Sun Solaris x86 10

IBM AIX Colon Files

- IBM AIX 4.3.3, 5.1, 5.2, 5.3

Other

- Virtually any platform supporting TCP/IP
- IBM iSeries and AS/400® Systems with TCP/IP with OS/400 V3R1 or later, using OS400 Host Print Transform

Note: Drivers not provided by Lexmark

Management Solutions

MarkVision Professional

MarkVision Professional is a cross-platform print management solution that enables IT administrators to proactively monitor and manage network devices in an enterprise environment via a web browser. It provides IT administrators with real-time device status and information, centralized device setup, remote printer monitoring and management and asset management capabilities.

MarkVision Messenger

MarkVision Messenger provides real-time notification of MFP conditions via e-mail, paging or other applications and facilitates automated responses to these conditions before they become critical and disruptive to user productivity. MarkVision Messenger enhances administrators' quality of service and improves end-user productivity and satisfaction.

Tivoli Integration

Lexmark's integration into the Tivoli Enterprise Console allows for easy network printer status recognition and provides convenient management for network administrators. This integration is done using a custom event adapter that is compatible with Tivoli's event

management console. This event adapter lets administrators use the Tivoli event console to monitor printer events across a range of devices in real time. For Tivoli to display printer events, the Tivoli event adapter must first be set up by creating an action in MarkVision Messenger.

Software Installation and Distribution Tools (on CD)

In Windows XP, Windows NT 4.0 and Windows Server 2003 and Windows 2000 environments, these tools enable administrators to push Lexmark software installation to other workstations or to write a script that will install specified Lexmark software on specified workstations on the network. In Windows 9X environments, it enables administrators to write installation scripts that can be then distributed to other workstations. When executed, these scripts will silently install all Lexmark software that is specified.

Setup

The Lexmark X850e includes information for customer setup of each part that is shipped.

Application Solutions

Only one firmware solution card may be installed in the MFP at a time.

Host Software

The Lexmark Printing Solution for Novell systems offers administrators more control over Lexmark MFPs. This all-inclusive package provides support for both NDPS and iPrint printing systems on NetWare 5.1, 6.0 and 6.5 servers. The package consists of Novell's NDPS gateway coupled with Lexmark's custom control snap-ins for both NetWare Administrator (NWAdmin) and iManager. By offering custom support for both NetWare Administrator and iManager management utilities, this offering allows administrators to take full control of Lexmark MFPs in a Novell printing environment.

Windows Custom Drivers (on CD)

Lexmark offers custom PCL emulation and PostScript drivers for Windows systems. Custom drivers for Windows provide the most comprehensive set of printing features available for Lexmark products. Offering an easy-to-use interface and time-saving preset features, Lexmark custom drivers allow users to access popular MFP features intuitively.

Windows System Drivers (on Lexmark.com)

System drivers for Windows provide users with basic printing capabilities for their Lexmark MFPs. Built on Microsoft technology, system drivers mix key Lexmark MFP capabilities with Microsoft's rendering engine to provide a solid, no-frills driver. Lexmark system drivers are available in PCL emulation and PostScript versions.

Mac OS X and Mac OS 9 Printing Support

Lexmark provides full PostScript support of all printing features in Mac OS 9 and Mac OS X. From basic to advanced printing features like auto-setup, faxing, MFP sharing and MFP pooling, Lexmark's software for Mac OS provides the world-class ease of use and quality that consumers and power-users alike have come to expect.

Lexmark MFP Drivers for UNIX and Linux systems

Lexmark MFP drivers reduce the complications of printing in UNIX and Linux environments. Built on the LPRng printing system, Lexmark MFP drivers provide fully scriptable command-line options. When running in X-Windows mode, Lexmark MFP drivers make it easy to access many popular MFP features without memorizing command line options through a GUI interface.

MFP Certifications by Software Vendors

Microsoft Windows Certification

Lexmark laser MFPs include Microsoft Certified and digitally signed MFP drivers. The driver certification indicates a high level of compatibility between the Windows operating system and the Lexmark MFP. MFP drivers for these products have received certification under the following operating systems

- Windows XP
- Windows Server 2003

Novell "Yes" Certification

Lexmark'sX854e has been certified under Novell's "Yes" Tested & Approved product certification program. The "Yes" trademark demonstrates the X854e has passed Novell's stringent product certification requirements. "Yes" certification applies to the following Novell products.

- NetWare 5.1
- NetWare 6
- NetWare 6.5

Lexmark Document Solutions Suite

The Lexmark Document Solutions Software Suite is a family of software that provides for the electronic distribution of documents, server-based forms merge, and network-based pull printing. Additional function modules are available for OCR, Bar Code read/write, and integration with Enterprise Content Management system (ECMs). Composer modules are available for customers or 3rd parties to design workflow scripts to automate processes and to design electronic forms.

Installation, customization, integration and upgrades are available from Lexmark under a separate fee schedule and contract.

For additional information visit the Lexmark Web site at http://www.lexmark.com/US/solutions/software/suite_ldd3.html

Lexmark Document Distributor v3.3.x

This device works with LDD v3.3.6. This requires service pack 2 for LDD v3.3 which will update LDD to v3.3.6.

- A customizable document distribution application for use with Lexmark multifunction products. It automates manual processes to integrate paper and digital document workflow, optimizing productivity and reducing costs. Through customizable script commands, Lexmark Document Distributor enables customers to perform multiple document routing processes in one easy step, automating processes to meet established business and customer requirements.
- Integration capabilities of Lexmark Document Distributor permit customers to assimilate streamlined and automated processes into existing, multiple workflow systems, including Microsoft Exchange, Lotus Notes, and Novell GroupWise. Document Distributor also supports ODBC systems including Microsoft SQL, Access, and Oracle databases, with server-based OCR, OMR and bar code capabilities providing additional document conversion and workflow integration.
- The ability to have scripts interactively prompt the user for variable information at the MFP or PC to assist routing or storing of a document.

Enhancements

- When creating the LDD profile you can specify if you want the user to be able to preview the scan on the touch screen
- When creating the LDD profile you can specify if you want the user to be able to use the "Custom Job" feature of the MFP to build a job
- You can turn on the MFP's "Fax Redirect" capability and send the fax to an LDD script for processing

Lexmark Document Distributor v 4.x

This will have the features of version 3.3.x, with the following enhancements.

- Prompt, Scan, Prompt – this allows LDD v 4.0 to prompt for information, scan, then prompt again
- Place more than 9 icons on the welcome screen
- Server cluster
- Device discovery from the LDD management tool

Lexmark Document Producer v3.3.6

Lexmark Document Producer is an electronic form solution that merges text and form data on a server. The electronic form can then be faxed, e-mailed, archived or printed. When combined with Lexmark Document Distributor v3.3.6, Lexmark Document Producer provides a complete digital document workflow solution. It may be used with networked Lexmark printers and MFPs.

Document Producer v3.3.6 accepts ASCII or SAP RDI data from a host system via TCP/IP and places the data on an electronic form. ASCII data may be in Optra Forms tagged data format and contain Optra Forms text commands. Lexmark Forms Composer v3.3.6 is required for electronic form design and data mapping. The merged electronic form can be in either PDF or PostScript format.

Lexmark Embedded Solutions Framework

Using this framework, Lexmark can write and deploy Java applications that run inside the device, and provide a variety of functions. Developers must have the LESF Software Developer's Kit to create applications. As of the date of this device's announce; only Lexmark can create these applications.

Lexmark Embedded Document Accounting Solution

The Lexmark Document Accounting Solution is an integrated MFP solution that combines print, copy, scan, fax and email into a total cost recovery system. This includes the following.

- Card swipe user authentication
- Pay4Print and Copy
- Staff cost accounting
- Print release station
- Full integration into the online or offline card system of your choice.

Lexmark is partnered with Pharos Systems Uniprint® and Off-The-Glass™ technology to create this comprehensive Document Accounting Solution that eliminates the need for expensive copy tracking terminals or bulky PC-based print release stations. This link will take you to the site for the Lexmark Document Accounting Solution and Pharos Systems.

Lexmark Embedded Scan to Folder

This embedded application will enhance the standard "scan to folder" functionality of this device. In addition to "Scan to FTP", the MFP user can scan to a Window's network folder. Administrators can create folder destinations, and users can select their desired destination, browse folders, and create folders. This embedded application must be downloaded (at no additional charge), and installed on the device.

Drag'N'Print™ Utility

The Lexmark Drag'N'Print Utility that is included allows the printing of PDF files directly to the X854e without an application or printer driver by simply dragging and dropping the file onto the MFP icon.

ScanBack™ Utility

The X854e that is included is compatible with the Lexmark ScanBack Utility that can be used to scan files back to the PC. ScanBack profiles can be accessed through the "Profiles" hard button.

Flexible Security

- Password protection can be set to control access individually for paper, defaults, reports, network and shortcut settings.
- Lexmark's Print and Hold feature allows jobs to be held and printed later after entering a user-created PIN
- Authentication
  - Four modes set for each function (copy, fax, e-mail, profiles and forms)
    - Function Off – no one has access
    - Function On – everyone has access
    - User ID – requires user name to access
    - User Authentication – requires user name and password to access
  - ➢ Three sources for authentication (global selection)
    - LDAP – uses the company's LDAP database directory
    - NT/Windows 2000 – uses the company's NT/Windows 2000 domain
    - Internal – uses an internal list stored in the MFP, generated by the system administrator

Service Parts

The scanner contains no customer serviceable or replacement parts other than the maintenance kit.

Part Number	Description
40X2375	Maintenance Kit

Installation

Instructions for installation information on networking configuration and use are contained in the printer publications and CD-ROM that ship with the printer.

Lexmark MFP microcode updates are available from the Lexmark web site at http://www.lexmark.com.

Certifications

The Lexmark X854e MFP complies with the global standard for Information Technology Equipment, i.e., IEC 60950, and its country equivalents in the markets we serve.

- UL 60950-1 – Information Technology Equipment – Safety – Part !: General Requirements, deviations D1 and D2
- U.S. FDA CDRH – Registration – Laser Safety – per 21 CFT Chapter I, Subchapter J, Section 1040
- IEC 320-1 – International Standard Electrical Appliance Connectors
- Class A (network attach) per FCC Rules, Parts 2 and 15
- Canadian Standards Association CAN/CSA-C22.2 No. 60950-1-03, Information Technology Equipment – Safety – Part 1: General Requirements, deviations D1 and D2
- Industry Canada (EMC) Compliance Statement
- Class A
- Taiwan: Class A - CNS 13438
- Mexico: Official Mexican State Agency approval and import registration to equipment standard NOM-019-SCFI-1998 Safety of Data Processing

Model Number

X854e MFP

Scan/Control Unit	--	7500-200

Duty Cycle

Printer

- Up to 300,000 pages per month maximum, based on a single-month's usage

Ship Group Contents

- Printer
- Up to 30,000-page Toner Cartridge
- Up to 70,000-page Photoconductor
- Setup Sheets (network and local attachment)
- Software and Documentation CD
  - ➢ Publications
    - ❖ User's Guide - Topics related to printing, paper handling, maintenance, troubleshooting, and MFP administration
      - ○ (English, Brazilian Portuguese, Danish, Dutch, Finnish, French, German, Italian, Norwegian, Polish, Russian, Simplified Chinese, Spanish, Swedish, Traditional Chinese)
    - ❖ Menus and Messages Guide
    - ❖ Help Pages
  - ➢ Drivers and Utilities
    - ❖ Drivers in English, Brazilian Portuguese, French, German, Italian, Spanish, Polish, Russian, Simplified Chinese, Traditional Chinese, Japanese.
    - ❖ Windows® printer drivers
    - ❖ Apple Macintosh driver support files
    - ❖ UNIX and Linux MFP drivers
    - ❖ AIX® colon files
    - ❖ Mac and Windows network TWAIN drivers
    - ❖ Windows Driver Profile Management Tool
    - ❖ LCS (Lexmark Communications System)
    - ❖ Desktop Applications
      - o ScanBack Utility
      - o IP Setup Utility
      - o ImageQuick Drag'N 'Print
      - o Status Window
      - o Interwin network MFP utility
    - ❖ Apple Macintosh Screen Fonts
    - ❖ Windows Screen Fonts
    - ❖ Online Registration via the Web
    - ❖ Links to the Lexmark Web site for the Card Stock & Label Guide and the Printer Technical Reference (English only)
    - ❖ Soft Copy Documentation
      - o Local MFP Install Guide
      - o Network MFP Install Guide
      - o Script Install Guide
      - o Driver Profiler Install Guide
      - o Screen Font Installation Instructions
- Warranty Sheet/Book (country dependent)
- Power Cord
- RJ-11 Phone Cable
- RJ-11 Phone Adaptors (country dependent)
- Supplies Use and Return Flyer

Lexmark X854e MFP Scanner Specifications

Scanner

• Scanner type:	Flatbed color or black with automatic document feeder (ADF)
• Scan technology:	Charged-Coupled Device (CCD)
• Number of light sources:	1
• Color bit depth:	24 bit
• Maximum optical Resolution:	Black: 600 x 600 dpi Color: 600 x 300 dpi
• Image type:	8-bit grayscale: 1-bit line-art
• Controller interface:	Lexmark 120-pin control cable

Flatbed

• Maximum optical Resolution:	Black: 600 x 600 dpi Color: 600 x 300 dpi

- Color bit depth: 24 bit
- Scan area: Maximum 11.7 in. x 17 in. (297 mm x 432 mm)

Recirculating Automatic Document Feeder

- Type: Recirculating duplex with C path
- Capacity: 75 sheets of 20 lb. bond
- Scan speed: Black: Up to 55 spm
  Color: Up to 27.5 spm
- Scan area: Maximum 11.7 in. x 17 in. (297 mm x 432 mm)
  Minimum 8.25 in. x 5.5 in. (210 mm x 140 mm)
- Media
  - Weight: 17 lb. (38 g/m^2) to 32 lb. (128 g/m^2)
  - Depth: .05 mm to .15 mm
- Enlarge or Reduce: 25 to 400 percent

Lexmark X854e Performance

Time to First Copy

- Flatbed Scanning: As fast as 6.2 seconds
- ADF Scanning: As fast as 7.4 seconds

Print Quality

- 1200 x 1200 dpi
- 2400 Image Quality printing
- 600 x 600 dpi
- 300 x 300 dpi

Copy Enhancement Quality

- Background removal
- Contrast
- Shadow detail
- Darkness

Toner Darkness

The Toner Darkness setting offers ten (10) user-selectable settings to balance print darkness and toner savings. The higher the setting, the darker the print. Within the range of print darkness settings, up to 50% toner savings can be realized from the factory default setting of 8. The Toner Darkness setting is available through the operator panel under the Print Quality menu or from the print driver.

Lexmark X854e MFP Control Panel

- 8 in. display panel
- Touch-sensitive graphical user interface plus 17 buttons and one LCS
- Color LCD with backlight
- Language Support (English, French, Italian, German, Spanish, Brazilian Portuguese, Danish, Dutch, Norwegian, Swedish, Finnish, Polish and Russian. Korean will be available at a later date.)

Control Buttons and Indicators

- Start – "one-touch" copying and starts the job currently set up
- Stop – mechanically stops all scanner and printer functions currently in process
- Number Pad – 1 through 0, *, #
- Backspace – erases previously entered characters from the number pad
- Dial Pause – pauses when required for entering telephone numbers
- Clear All – clears all settings and returns user to the welcome screen
- Green LED – indicates power is on

Welcome Screen

- Copy – enter 1st level copy menu
- Fax – enter 1st level fax menu
- E-mail – enter 1st level scan-to-network menu
- Profiles – enter Lexmark Document Distributor profile list (does not appear if MFP is not associated with a Portal Server)
- Forms: Enter Lexmark Document Portal forms list (does not appear if MFP is not associated with a Portal Server)
- "Key": Access to printer operator panel or administrator settings (password protected)
- Tips: detailed interactive help files replace the need for a separate User's Guide

Authentication

- Four modes set for each function (copy, fax, e-mail, profiles and forms)
  - Function Off – no one has access
  - Function On – everyone has access
  - User ID – requires user name to access
  - User Authentication – requires user name and password to access
- Three sources for authentication (global selection)
  - LDAP – uses the company's LDAP database directory
  - NT/Windows 2000 – uses the company's NT/Windows 2000 domain
  - Internal – uses an internal list stored in the MFP, generated by the system administrator

Virtual Keyboard

- The keyboard will automatically appear on the touch screen anytime an alphanumeric entry is required.
- There are 11 keyboards – one for each supported language (English, French, Italian, German, Spanish, Brazilian Portuguese, Danish, Dutch, Finnish, Norwegian, Swedish)

Recommended Clearances

- Left side: 25.3 in. (642 mm)
- Right Side: 39.3 in. (1,000 mm)
- Front: 18.9 in. (480 mm)
- Rear: 7.8 in. (200 mm)
- Top: 18 in. (457 mm)

Technical Specifications

Environment

Operating	
Temperature	60° F to 90° F (16° C to 32° C)
Humidity	8% to 80%
Altitude	10,000 ft. (3,048 meters) -- maximum
Storage and Shipping – Packed	
Temperature	-40° F to 110° F (-40° C to 43.4° C)
Humidity	5% to 95%
Altitude	34,000 ft. (10,300 meters) -- maximum
Storage – Unpacked	
Temperature	0° F to 104° F (0° C to 40° C)
Humidity	5% to 80%

Electrical Specifications

The following specifies nominal average power requirements for standard MFP configuration with no options attached. All power levels re shown in watts (W). Maximum current is given in amperes (A)

Printing States	
Off	.6W
Power Saver (sleep) Mode	25W
Low Power (standy) Mode	95W
Continuous Printing	760W
Maximum Current -- 100 Volts	15A

Low Voltage Models

- 100 to 127 volts (V) at 50 to 60 hertz (Hz) nominal
- 90 to 137 volts, extreme

Notes

- Using a power converter or inverter with the Lexmark X854e MFP is not recommended
- The Lexmark X854e is Energy Star Qualified
- The default timeout to power saver is 30 minutes

Acoustics

All measurements were made in accordance with ISO 7779 and reported in conformance with ISO 9296.

- Printing: 53 dBA
- Copying: 56 dBA
- Scanning: 54 dBA
- Ready: 32 dBA

Physical Dimensions and Weights

	Width	Depth	Height	Weight
MFP (with supplies)	25 in. (640 mm)	25.5 in. (700 mm)	43 in. (1,095 mm)	300 lb. (136 kg)
MFP (with supplies)	25 in. (640 mm)	25.5 in. (700 mm)	43 in. (1,095 mm)	293 lb. (133 kg)
Finisher	23 in. (584 mm)	26 in. (660 mm)	42 in. (1,066 mm)	115 lb. (52 kg)
High-Capacity Feeder	16 in. (406 mm)	24 in. (610 mm)	15 in. (381 mm)	64 lb. (29 kg)

Packaging and Shipping Information

	Individual Carton				Pallet Specifications				
	Length	Width	Height	Weight	Quantity	Length	Width	Height	Weight
Lexmark X854e	35 in. (890 mm)	33.5 in. (850 mm)	54.3 in. (1,380 mm)	353 lb. (160 kg)	1	35 in. (890 mm)	33.5 in. (850 mm)	59.3 in. (1,507 mm)	
High Capacity Feeder	30 in. (762 mm)	20.5 in. (520 mm)	19.5 in. (495 mm)	162.8 lb. (74 kg)	4	42.5 in. (1,080 mm)	30.1 in. (765 mm)	43.3 in. (1,104 mm)	
Finisher	35 in. (890 mm)	30.5 in. (775 mm)	49 in. (1,244 mm)	178 lb. (80.9 kg)	1	35.7 in. (908 mm)	31.4 in. (797 mm)	49.2 in. (1,250 mm)	

Warranty and Service

- One year or 600,000 pages, whichever comes first

Technical and Service Support

The Lexmark Customer Support Center provides support at 859-232-3000 or through Lexmark e-Support at http://support.lexmark.com.

Presales Inquiries

For information on any Lexmark product, contact us at: 1-800-LEXMARK (1-800-539-6275).

Administrative Information

Availability

The Lexmark X854e MFP will be available 1Q06.

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