

What You Should Know

Office Digital Imaging Product Evaluation

Wednesday, January 06, 2010 1:59:22 PM

Hewlett-Packard

LaserJet M4345x MFP

A4 B/W 40-49 PPM MFPs

HP Web Site and Direct Sales



Product Introduction



To date, HP has shipped some 100 million LaserJets, and this 45-ppm A4 MFP is based on the tried-and-true LaserJet platform. Based on a 45-ppm print engine and driven by a 480 MHz CPU, it is also noteworthy for optional document finishing and a broad range of optional workflow solutions, including document management, document-storage, accounting, LAN fax, and document routing. This "x" version of the LaserJet M4354x MFP features standard automatic duplexing and Super Group 3 fax (both of which are optional with the \$2,599.99 base configuration). It features HP's industry-leading Web Jetadmin for device management on the network and remote monitoring. Options include a 3-Bin Mailbox and 500-Sheet Stapler/Stacker (30-sheet stapling).

Key Specifications and Pricing

Functions	Print/Copy/Scan/Fax	Std Media Capacity (sheets)	1,100	Price	\$3,699.00	€2,649.96	
Imaging Technology	Laser	Max Media Capacity (sheets)	2,100	Duplex	\$0.00	€0.00	
Monthly Duty Cycle (pages)	200,000	Max Media Sources	5	Print	\$0.00	€0.00	
BW/Color Print Speed (PPM)	45	Max Media Width (inches/mm)	8.5	215.9	Network	\$0.00	€0.00
Max Print Resolution (DPI)	1200x1200	Max Media Length (inches/mm)	14.0	355.6	Scan	\$0.00	€0.00
Std Printer Memory (MB)	256	Max Media Wt. (bond, lbs./gsm)	53.0	178.9	Doc Feeder	\$0.00	€0.00
Max Printer Memory (MB)	512	Height (inches/mm)	26.30	668.02	Media Trays	500-sheet drawer	
Hard Drive (GB)	Optional 80 GB	Width (inches/mm)	30.00	762.00	Price	\$349.00	€250.02
Hard Drive Overwrite	Yes	Depth (inches/mm)	22.30	566.42	LCT	\$0.00	€0.00
Ethernet Network Interface	100Base	Weight (pounds/kg)	140.5	63.7	Finisher	30-sheet stapling	
User Authentication	Yes	Power Consumption (watts)	725	Price	\$429.00	€307.34	

Feature Analysis, Ratings (from 0-5, with 5 being best) and Composite Scores

Value	3.0	Copying	3.0	Scanning	2.5	Printing	3.0	
Overall Score	30.0	Copier Score	21.5	Scanner Score	17.5	Printer Score	24.5	
Full System Price	\$3,699.00	Duplex Document Feeder	<input checked="" type="checkbox"/>	Color Scanning	<input checked="" type="checkbox"/>	Print Processor (MHz)	480	
Black Cost per Page	\$0.0160	Touch Screen	<input checked="" type="checkbox"/>	Network Scanning	<input checked="" type="checkbox"/>	Maximum Memory (MB)	512	
Color Cost per Page		Hard Drive	<input checked="" type="checkbox"/>	Open Platform	<input type="checkbox"/>	BW/Color Print Speed	45	
Black TCO* (5k/mo)	\$8,512.17					Windows	<input checked="" type="checkbox"/> Linux	<input checked="" type="checkbox"/>
Color TCO* (5k/mo)						Apple Mac	<input checked="" type="checkbox"/> PCL	<input checked="" type="checkbox"/>
Mixed** TCO* (5k/mo)						GDI Printing	<input type="checkbox"/> PostScript	<input checked="" type="checkbox"/>
*Base Price; **67% BW and 33% Color								

Features	3.0
USB Convenience Port	<input type="checkbox"/>
Scanner	<input checked="" type="checkbox"/>
Walk-Up Fax	<input checked="" type="checkbox"/>
LAN Fax	<input checked="" type="checkbox"/>
Duplex Printing	<input checked="" type="checkbox"/>
Network Printing	<input checked="" type="checkbox"/>

Image Quality	3.0
Imaging Technology	Laser
Max. Resolution	1200x1200
BW Office IQ	<input checked="" type="checkbox"/>
Color Office IQ	<input type="checkbox"/>
Professional IQ	<input type="checkbox"/>
Photographic IQ	<input type="checkbox"/>

Media Handling	3.5
Max Media Sources	5
Max Wt. (bond, lbs.)	53.0
Feeds 110-lb. Index Stock	<input checked="" type="checkbox"/>
Max Weight from all Sources	<input type="checkbox"/>
Finishing	<input checked="" type="checkbox"/>

Maintenance	3.0
Black Page Yield	18,000
All-in-One Toner Cartridge	<input checked="" type="checkbox"/>
Holds Full Ream of Media	<input checked="" type="checkbox"/>

Software	3.0
Desktop Software	<input checked="" type="checkbox"/>
Web Utilities	<input checked="" type="checkbox"/>
Adobe PostScript	<input type="checkbox"/>
Open Platform	<input type="checkbox"/>

Ease of Use	3.0
Usability Score	9.0
Graphic Display	<input type="checkbox"/>
Touch Screen	<input checked="" type="checkbox"/>
Navigation Keys	<input type="checkbox"/>
Holds Full Ream of Media	<input checked="" type="checkbox"/>

Consumables Pricing and Yields

*Based on an original area coverage of 5% per color. **Yield in pages

Consumable	Price	Yield**	Dev Price	Dev Yield**	Drum Price	Drum Yield**
Black Ink/Toner	\$228.99	18,000				
Cyan Ink/Toner						
Magenta Ink/Toner						
Yellow Ink/Toner						
Multicolor Ink						
Other Type						
Other						
Maintenance Kit	\$299.00	90,000				

Hewlett-Packard LaserJet M4345x MFP



A4 B/W 40-49 PPM MFPs

Supply Cost Per Page and Total Cost of Ownership*

*CPP and TCO include the base price depreciated over a five-year period (not including service) **Based on 66% Black/33% Color

Monthly Volume	Black CPP	Color CPP	Black TCO	Color TCO	Mixed TCO**
50 pages	\$1.249		\$3,737.17		
100 pages	\$0.633		\$3,775.33		
250 pages	\$0.263		\$3,889.83		
500 pages	\$0.139		\$4,080.65		
1,000 pages	\$0.078		\$4,462.30		
2,000 pages	\$0.047		\$5,624.27		
3,000 pages	\$0.037		\$6,586.90		
4,000 pages	\$0.031		\$7,549.53		
5,000 pages	\$0.028		\$8,512.17		

Consumables CPP

(Based on an original area coverage of 5% per color)

Black Cost Per Page
Black Consumables Cost per Page
\$0.0160
Color Cost Per Page
Color Consumables Cost per Page

Strengths

- Microsoft Windows 7 ready. HP Universal Print Driver for Microsoft Windows (only a single print driver to deploy for printing to HP network printers and MFPs).
 - Standard 33.6 Kbps fax and 50-sheet reversing automatic document feeder.
 - Broad range of optional workflow, management, document-storage, accounting, LAN fax, and document-routing solutions, as well as optional HP Jetdirect network interfaces.
 - Web Jetadmin for device management over the network and for remote monitoring, as well as for job tracking/accounting and supplies re-ordering.
 - Print on up to 110 lb. index (53 lb. bond) via bypass tray.
 - Color scan to e-mail (supports LDAP) and network folder. Optional Digital Sending Software 4.3 for sending to FTP sites and fax services (including LAN fax, Internet fax, Windows 2000/XP fax services). Optional Auto Store software (send scanned documents to document management and collaboration platforms).
 - IPv6-ready Jetdirect Fast Ethernet (100Base) network interface.
 - Security includes IPv6, Secure IPP, secure print, hard-drive erase/encryption, network authentication, optional 801.11, SNMP, HTTPS, secure IPP.
 - All-in-one toner cartridge (no need to replace separate toner cartridge and drum).
- OPTIONS: Gigabit Ethernet (\$389); Automatic Duplex (\$450); 500-Sheet Stackable Feeder Media Tray (\$349); 75-sheet Envelope Feeder (\$249); 500-Sheet Stapler Stacker Finisher (30-sheet stapling--\$429); 700-sheet 3-bin Mailbox (\$429); Wireless IPv6/Wireless 802.11g (\$449/\$249); Jetdirect 635n for IPv6/IPSec; Serial ATA Hard Drive (\$470); Secure Hard Drive (\$549); Secure EIO Hard Drive (\$549).

Limitations

- Relatively higher Total Cost of Ownership (TCO).

Notes

- Pricing for toner cartridge is manufacturer's list price.
- Rated at 725 watts printing, 830 watts copying.
- Optional Hard Drives feature AES hardware-based encryption.
- Optional Secure EIO Hard Drive is removable.
- ADF Maintenance kit yield (\$90) is 90,000 ADF scans.

Best Use

Offices and mid to large-size workgroups, and enterprises, that require a highly manageable (via Web Jetadmin) office MFP and have primarily A4 (letter- or legal-size paper) B/W print, copy, fax, and color scan applications, and may also require document finishing. Web Jetadmin for device management on the network is a particular strength for many enterprises.