

Wirth Consulting

B2B Digital Imaging Product Evaluation

Friday, October 30, 2009 12:34:32 PM

WYSK

"What You Should Know"

Make	Hewlett-Packard	Model	Officejet Pro 8500 Series
Functions	Print/Copy/Scan/Fax	Imaging Technology	Ink-Jet
Classification	Color Duplex MFPs Under \$500		

Hewlett-Packard's Officejet Pro 8500 Series is the company's current state-of-the-art ink-jet color MFP for small offices and workgroups, and home offices, providing network print, copy, scan and fax (all in color) at attractive pricing starting at \$199. Two versions are available; both provide standard Ethernet network connectivity, while one version (\$279.99) provides wireless 802.11b/g network connectivity. Specifications below are for the Officejet Pro 8500 All-In-One.



Specifications

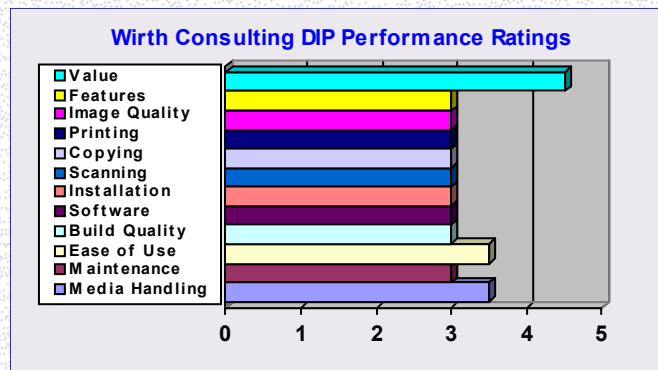
Monthly Duty Cycle	15,000	Max Media Width (inches)	8.5	215.90	mm	Price	\$199.99	€143.27
BW/Color Print Speed (PPM)	35/34	Max Media Length (inches)	14.0	355.60	mm	Duplex	\$0.00	€0.00
Max. Print Resolution (DPI)	4800x1200	Max Media Wt. (bond, lbs.)	53.0	178.88	gsm	Print	\$0.00	€0.00
Standard Memory (MB)	64.00	Height (inches)	11.77	298.96	mm	Network	\$0.00	€0.00
Std Media Capacity (sheets)	250	Width (inches)	19.45	494.03	mm	Scan	\$0.00	€0.00
Max Media Capacity (sheets)	500	Depth (inches)	18.86	479.04	mm	Doc Feeder	\$0.00	€0.00
Power Consumption (watts)	55	Weight (pounds)	26.24	11.90	kg	Full System	\$199.99	€143.27

Feature Checklist

Value Add	Print	Scan	Copy
USB Convenience Port <input type="checkbox"/>	Duplex Printing <input checked="" type="checkbox"/>	Color Scanning <input checked="" type="checkbox"/>	Duplex Document Feeder <input type="checkbox"/>
Scanner <input checked="" type="checkbox"/>	Network Printing <input checked="" type="checkbox"/>	Network Scanning <input type="checkbox"/>	Ease of Use
Walk-Up Fax <input checked="" type="checkbox"/>	Microsoft Windows <input checked="" type="checkbox"/>	Software	Graphic Display <input type="checkbox"/>
LAN Fax <input type="checkbox"/>	Apple Mac <input checked="" type="checkbox"/>	Desktop Software <input checked="" type="checkbox"/>	Touch Screen <input checked="" type="checkbox"/>
Image Quality	Linux <input checked="" type="checkbox"/>	Web Utilities <input checked="" type="checkbox"/>	Navigation Keys <input type="checkbox"/>
BW Office IQ <input checked="" type="checkbox"/>	GDI Printing <input type="checkbox"/>	Media Handling	Maintenance
Color Office IQ <input checked="" type="checkbox"/>	PCL <input checked="" type="checkbox"/>	Feeds Index Stock <input checked="" type="checkbox"/>	All-in-One Toner Cartridge <input type="checkbox"/>
Professional IQ <input type="checkbox"/>	PostScript <input type="checkbox"/>	Max Weight from all Sources <input type="checkbox"/>	Finishing
Photographic IQ <input type="checkbox"/>	Adobe PostScript <input type="checkbox"/>	Holds Full Ream of Media <input type="checkbox"/>	Finishing <input type="checkbox"/>

Wirth Consulting Ratings* *On a scale of 0-5, with 5 being the best

Value	4.5
Features	3.0
Image Quality	3.0
Printing	3.0
Copying	3.0
Scanning	3.0



3.0	Installation
3.0	Software
3.0	Build Quality
3.5	Ease of Use
3.0	Maintenance
3.5	Media Handling

Ratings Scoreboard* *Highest possible scores: Overall, 60; Copier, 45; Printer, 50; Scanner, 40; Usability, 25

Overall Score	38.5	Copier Score	29.5	Printer Score	32.5	Scanner Score	26.0	Usability Score	15.5
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Consumables Pricing and Yields* *All supply yields are based on an original area coverage of 5% per color

Black Ink/Toner Price	\$25.99	Magenta Ink/Toner Yield (pages)	900	Maintenance Kit Price	
Black Ink/Toner Yield	1,000	Yellow Ink/Toner Price	\$19.99	Maintenance Kit Yield	
Cyan Ink/Toner Price	\$19.99	Yellow Ink/Toner Yield	900	Other Type	
Cyan Ink/Toner Yield	900	Multicolor Ink Price		Other Price	
Magenta Ink/Toner Price	\$19.99	Multicolor Ink Yield		Other Yield	

Black Consumables Cost per Page **\$0.0260** Color Consumables Cost per Page **\$0.0926**

Total Cost Per Page*

Total Cost of Ownership**

*Cost Per Page and **Total Cost of Ownership include the purchase price depreciated over a five-year period. ***Mixed=Based on print usage of 66% Black and 33% Color

Monthly Volume	Black CPP	Color CPP	Monthly Volume	Black TCO	Color TCO	***Mixed TCO
50 pages	\$0.093	\$0.159	50 pages	\$277.96	\$477.86	\$341.15
100 pages	\$0.059	\$0.126	100 pages	\$355.93	\$755.73	\$484.30
250 pages	\$0.039	\$0.106	250 pages	\$589.84	\$1,589.34	\$913.78
500 pages	\$0.033	\$0.099	500 pages	\$979.69	\$1,589.34	\$1,171.08
1,000 pages	\$0.029	\$0.096	1,000 pages	\$1,759.39	\$5,757.39	\$3,061.14
2,000 pages	\$0.028	\$0.094	2,000 pages	\$3,318.79	\$11,314.79	\$5,924.28
3,000 pages	\$0.027	\$0.094	3,000 pages	\$4,878.19	\$16,872.19	\$8,787.43
4,000 pages	\$0.027	\$0.093	4,000 pages	\$6,437.59	\$22,429.59	\$11,650.57
5,000 pages	\$0.027	\$0.093	5,000 pages	\$7,996.99	\$27,986.99	\$14,513.72

Wirth Consulting Commentary

Strengths

- Low B/W and color consumables' cost per page and Total Cost of Ownership.
- 50-sheet simplex automatic document feeder. Print on up to 110 lb. index stock (53 lb. bond).
- PictBridge port for directly printing photos from a PictBridge-compatible digital camera's memory card, and four memory card slots for printing from memory cards.
- Produce borderless prints up to 8.5" x 11". 384 MHz CPU.
- Network-connectivity options that enhance workgroup sharing: Jetdirect en1700 IPv4/IPv6 server; Jetdirect en3700 Fast Ethernet server; and Fast Ethernet External server.
- Optional wireless network connectivity: 802.11b/g server; Bluetooth USB 2.0 Wireless Adapter; Wireless Printing Upgrade Kit; Wireless G Print Server; Apple AirPort Express; and Apple AirPort Extreme.

Limitations

- Wirth Consulting has determined that this device has no notable limitations and should provide good functionality.

Notes

- 35 (B/W)/34 (color) ppm print speed in draft mode.
- Optional 250-sheet paper drawer is \$79.99.

Best Use

For shared use in small offices and workgroups, and for home offices, where color print and copy is required, and where color scan and fax may also be required. Higher ink yields provide support for workgroup sharing (1,000 pages for black ink cartridge, 900 pages each for cyan, yellow, magenta ink cartridges).