

# Wirth Consulting

## B2B Digital Imaging Product Evaluation

Tuesday, July 13, 2010 12:13:47 PM

# WYSK

"What You Should Know"



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

HP's Officejet Pro 8500 Series consists of three ink-jet color All-in-Ones for small and mid-size businesses, and home offices, providing network print, copy, scan and fax (all in color) and ADF at attractive pricing starting at \$299.99. (Specifications in this report are for the Officejet 8500 base version.) The Officejet Pro 8500 Wireless (\$399.99) adds touch screen, digital sending (to network folder), legal-size flatbed platen and 802.11b/g wireless network connectivity. The Officejet Pro 8500 Premier (\$499.99) is the same as the Pro 8500 Wireless, but adds second 250-sheet media tray and duplexing ADF.



## Specifications

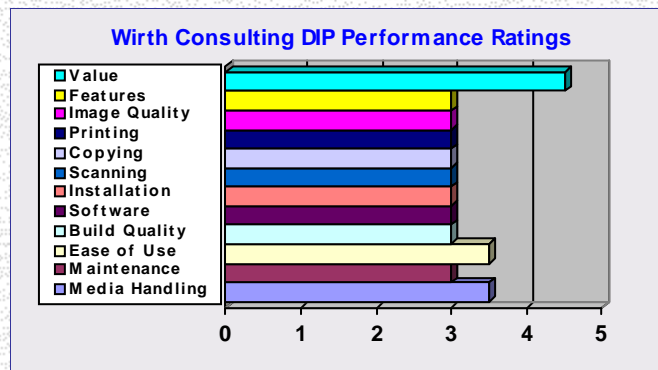
Max Monthly Duty Cycle	15,000	Max Media Width (inches)	8.5	215.90	mm	Price	\$299.99	€214.91
BW/Color Print Speed (PPM)	35/34	Max Media Length (inches)	14.0	355.60	mm	Duplex	\$0.00	€0.00
Max Print Resolution (DPI)	4800x1200	Max Media Wt. (bond, lbs.)	53.0	178.88	gsm	Print	\$0.00	€0.00
Standard Memory (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	<b>\$299.99</b>	<b>€214.91</b>

## Feature Checklist

<b>Value Add</b>	<b>Print</b>	<b>Scan</b>	<b>Copy</b>
USB Convenience Port <input checked="" type="checkbox"/>	Duplex Printing <input checked="" type="checkbox"/>	Color Scanning <input checked="" type="checkbox"/>	Duplex Document Feeder <input type="checkbox"/>
PC Fax <input checked="" type="checkbox"/>	Network Printing <input checked="" type="checkbox"/>	Network Scanning <input type="checkbox"/>	<b>Ease of Use</b>
Walk-Up Fax <input checked="" type="checkbox"/>	Microsoft Windows <input checked="" type="checkbox"/>	<b>Software</b>	Graphic Display <input checked="" type="checkbox"/>
LAN Fax <input type="checkbox"/>	Apple Mac <input checked="" type="checkbox"/>	Desktop Software <input checked="" type="checkbox"/>	Touch Screen <input type="checkbox"/>
<b>Image Quality</b>	Linux <input checked="" type="checkbox"/>	Web Utilities <input checked="" type="checkbox"/>	Navigation Keys <input checked="" type="checkbox"/>
BW Office IQ <input checked="" type="checkbox"/>	GDI Printing <input type="checkbox"/>	<b>Media Handling</b>	<b>Maintenance</b>
Color Office IQ <input checked="" type="checkbox"/>	PCL <input checked="" type="checkbox"/>	Feeds 110-lb. 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"/>	<b>Finishing</b>
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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Classification **Color Duplex MFPs Under \$500**

### Consumables Pricing and Yields\* \*All supply yields are based on an original area coverage of 5% per color

Black Ink/Toner Price	\$35.99	Magenta Ink/Toner Yield (pages)	1,400	Maintenance Kit Price	
Black Ink/Toner Yield	2,200	Yellow Ink/Toner Price	\$25.99	Maintenance Kit Yield	
Cyan Ink/Toner Price	\$25.99	Yellow Ink/Toner Yield	1,400	Other Type	
Cyan Ink/Toner Yield	1,400	Multicolor Ink Price		Other Price	
Magenta Ink/Toner Price	\$25.99	Multicolor Ink Yield		Other Yield	
Black Consumables Cost per Page		<b>\$0.0164</b>	Color Consumables Cost per Page		<b>\$0.0721</b>

### 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	\$0.116	\$0.172	50 pages	\$349.07	\$516.15	\$400.71
100 pages	\$0.066	\$0.122	100 pages	\$398.14	\$732.30	\$504.43
250 pages	\$0.036	\$0.092	250 pages	\$545.38	\$1,380.77	\$815.60
500 pages	\$0.026	\$0.082	500 pages	\$790.76	\$1,380.77	\$977.56
1,000 pages	\$0.021	\$0.077	1,000 pages	\$1,281.54	\$4,623.11	\$2,371.44
2,000 pages	\$0.019	\$0.075	2,000 pages	\$2,263.08	\$8,946.22	\$4,445.89
3,000 pages	\$0.018	\$0.074	3,000 pages	\$3,244.63	\$13,269.34	\$6,520.34
4,000 pages	\$0.018	\$0.073	4,000 pages	\$4,226.17	\$17,592.46	\$8,594.78
5,000 pages	\$0.017	\$0.073	5,000 pages	\$5,207.72	\$21,915.57	\$10,669.23

### Wirth Consulting Commentary

#### Strengths

- Low B/W and color consumables' cost per page and Total Cost of Ownership.
- Automatic document feeder, and print on up to 110 lb. index stock (53 lb. bond).
- PictBridge port for direct photo printing, 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 include: 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 and mid-size businesses, and 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).