

Wirth Consulting

B2B Digital Imaging Product Evaluation

Wednesday, July 15, 2009 11:37:22 AM

WYSK

"What You Should Know"

Make	Hewlett-Packard	Model	Officejet Pro 8000 Series
Functions	Print	Imaging Technology	Ink-jet
Classification	Color Printers Under \$250		

 Well Worth Consideration!

The Officejet Pro 8000 is available in two configurations: a wireless network version (\$149.99) and a configuration without wireless connectivity (\$119.99). Both feature standard automatic duplexing, which is often not available in this segment, as well as standard wired Ethernet network connectivity. The printer is based on a 384 MHz CPU, so expect fast performance. HP markets optional Jetdirect print servers, which adds expanded security as well as compatibility with HP's industry-leading Web Jetadmin for enhanced network management and sharing.



Specifications

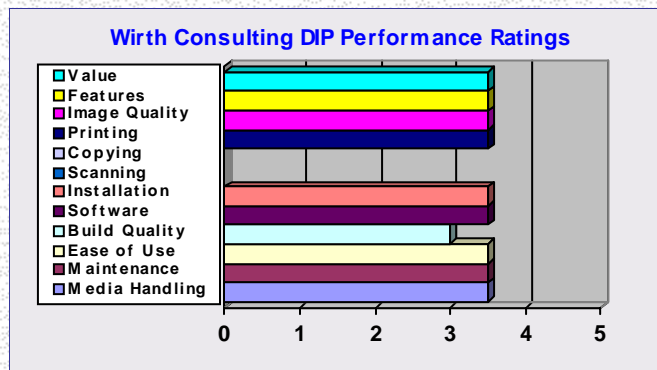
Monthly Duty Cycle	15,000	Max Media Width (inches)	8.0	203.20 mm	Price	\$149.00	€106.74
BW/Color Print Speed (PPM)	35/34	Max Media Length (inches)	14.0	355.60 mm	Duplex		
Max. Print Resolution (DPI)	4800x1200	Max Media Wt. (bond, lbs.)	53.0	178.88 gsm	Print		
Standard Memory (MB)	32.00	Height (inches)	7.09	180.09 mm	Network		
Std Media Capacity (sheets)	250	Width (inches)	19.50	495.30 mm	Scan		
Max Media Capacity (sheets)	500	Depth (inches)	18.86	479.04 mm	Doc Feeder		
Power Consumption (watts)	48	Weight (pounds)	17.0	7.71 kg	Full System	\$149.00	€106.74

Feature Checklist

Value Add	Print	Scan	Copy
USB Convenience Port <input type="checkbox"/>	Duplex Printing <input checked="" type="checkbox"/>	Color Scanning <input type="checkbox"/>	Duplex Document Feeder <input type="checkbox"/>
Scanner <input type="checkbox"/>	Network Printing <input checked="" type="checkbox"/>	Network Scanning <input type="checkbox"/>	Ease of Use
Walk-Up Fax <input 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 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 checked="" 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	3.5
Features	3.5
Image Quality	3.5
Printing	3.5
Copying	
Scanning	



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

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

Overall Score	34.5	Copier Score		Printer Score	34.5	Scanner Score		Usability Score	17.0
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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	\$31.99	Magenta Ink/Toner Yield (pages)	700	Maintenance Kit Price	
Black Ink/Toner Yield	1,200	Yellow Ink/Toner Price	\$14.99	Maintenance Kit Yield	
Cyan Ink/Toner Price	\$14.99	Yellow Ink/Toner Yield	700	Other Type	
Cyan Ink/Toner Yield	700	Multicolor Ink Price		Other Price	
Magenta Ink/Toner Price	\$14.99	Multicolor Ink Yield		Other Yield	
Black Consumables Cost per Page		\$0.0267		Color Consumables Cost per Page	
				\$0.0909	

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	\$0.076	\$0.141	50 pages	\$228.98	\$421.70	\$290.29
100 pages	\$0.051	\$0.116	100 pages	\$308.95	\$694.41	\$433.06
250 pages	\$0.037	\$0.101	250 pages	\$548.88	\$1,512.52	\$861.39
500 pages	\$0.032	\$0.096	500 pages	\$948.75	\$1,512.52	\$1,125.31
1,000 pages	\$0.029	\$0.093	1,000 pages	\$1,748.50	\$5,603.07	\$3,003.02
2,000 pages	\$0.028	\$0.092	2,000 pages	\$3,348.00	\$11,057.14	\$5,858.54
3,000 pages	\$0.027	\$0.092	3,000 pages	\$4,947.50	\$16,511.21	\$8,714.05
4,000 pages	\$0.027	\$0.092	4,000 pages	\$6,547.00	\$21,965.29	\$11,569.56
5,000 pages	\$0.027	\$0.091	5,000 pages	\$8,146.50	\$27,419.36	\$14,425.08

Wirth Consulting Commentary

Strengths

- Low B/W cost per page of 2.6 cents and relatively color cost per page of 9.0 cents. High-yield cartridges mean users must replace ink less frequently.
- Standard 802.11g wireless and Ethernet network interfaces.
- Standard automatic duplexing.
- Optional HP Jetdirect Ethernet and Fast Ethernet print servers for compatibility with HP's Web Jetadmin, the industry standard for network management, as well as with HP's Embedded Web Server, and Easy Printer Care, and for faster transmission of files. Jetdirect servers also add enhanced security, including SSL, TLS, SNMP v3.
- Separate ink cartridges for each color (CMYK), so if only one color is depleted, users do not need to replace other colors.
- Print on up to 110 lb. index stock, and produce borderless prints up to 8.5" x 11". 500-sheet max. paper capacity.
- HP Smart Web printing (consolidate content in order to eliminate blank spaces and blank pages).

Limitations

Wirth Consulting has determined that this device does not have any notable limitations and should provide good functionality.

Notes

Rated print speed is in draft mode.

Best Use

Home, small office and workgroups for both B/W and color-printing applications; when equipped with Jetdirect print servers, the printer will be suitable for mid-size workgroups and enterprise use. Low B/W cost per page of 2.6 cents will make it more economical for producing B/W output than some other office-color printers in this segment. Low color CPP and TCO makes this printer an exceptional value.