

Wirth Consulting

B2B Digital Imaging Product Evaluation

Wednesday, July 15, 2009 11:36:59 AM

WYSK

"What You Should Know"

Make	Hewlett-Packard	Model	Officejet 6000 Series
Functions	Print	Imaging Technology	Ink-jet
Classification	Color Printers Under \$250		



Well Worth Consideration!

The Officejet 6000 Series is HP's latest state-of-the-art Officejet. It features an interesting twist on ink-jet imaging technology: instead of using pigment-based inks, it uses a pigment black ink and dye-based color inks. Dye-based color inks are used by dye-sublimation color printers, which typically produce very vibrant color prints. The Officejet 6000 is available in two configurations. Both feature wired network connectivity, but the Officejet 6000 Wireless Printer (\$119) includes wireless network connectivity as well as automatic duplexing; the other configuration (\$89) does not.

Specifications

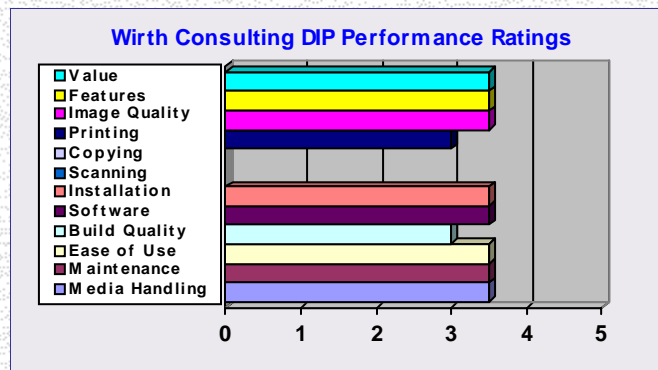
Monthly Duty Cycle	7,000	Max Media Width (inches)	8.5	215.90 mm	Price	\$119.00	€85.25
BW/Color Print Speed (PPM)	32/31	Max Media Length (inches)	30.0	762.00 mm	Duplex		
Max. Print Resolution (DPI)	4800x1200	Max Media Wt. (bond, lbs.)	53.0	178.88 gsm	Print		
Standard Memory (MB)	32.00	Height (inches)	6.45	163.83 mm	Network		
Std Media Capacity (sheets)	250	Width (inches)	18.03	457.96 mm	Scan		
Max Media Capacity (sheets)	250	Depth (inches)	18.70	474.98 mm	Doc Feeder		
Power Consumption (watts)	32	Weight (pounds)	12.0	5.44 kg	Full System	\$119.00	€85.25

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 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	3.5
Features	3.5
Image Quality	3.5
Printing	3.0
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	34.0	Copier Score		Printer Score	34.0	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	\$0.066	\$0.131	50 pages	\$198.98	\$391.70	\$260.59
100 pages	\$0.046	\$0.111	100 pages	\$278.95	\$664.41	\$403.36
250 pages	\$0.035	\$0.099	250 pages	\$518.88	\$1,482.52	\$831.69
500 pages	\$0.031	\$0.095	500 pages	\$918.75	\$1,482.52	\$1,095.61
1,000 pages	\$0.029	\$0.093	1,000 pages	\$1,718.50	\$5,573.07	\$2,973.32
2,000 pages	\$0.028	\$0.092	2,000 pages	\$3,318.00	\$11,027.14	\$5,828.84
3,000 pages	\$0.027	\$0.092	3,000 pages	\$4,917.50	\$16,481.21	\$8,684.35
4,000 pages	\$0.027	\$0.091	4,000 pages	\$6,517.00	\$21,935.29	\$11,539.86
5,000 pages	\$0.027	\$0.091	5,000 pages	\$8,116.50	\$27,389.36	\$14,395.38

Wirth Consulting Commentary

Strengths

- Low B/W and color consumables' cost per page of 2.6 and 9.0 cents respectively. High-yield ink cartridges mean users will have to replace ink less frequently.
- Standard 802.11g wireless network interface and wired Ethernet network interface.
- Standard automatic duplexing.
- Dye-based color inks (not pigment inks) for enhanced color image quality.
- HP's Smart Web utility for printer-friendly Web printing, (eliminates blank areas and pages, etc.).
- Produce borderless images on up to 8.5" x 11" media.
- Print on up to 110 lb. index stock, as well as print on up to 8.5 x 30" banner sheets.
- USB cable included.
- HP markets an extensive array of papers, including glossy, recycled, photo, transparencies, ColorLok, etc.
- Individual ink cartridges (users replace only depleted color).

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

For small workgroups and home offices for both B/W and color-printing applications. Low B/W cost per page of 2.6 cents and low color TCO will make it more economical for producing B/W output than some other office-color printers in this segment.