

# Wirth Consulting

## B2B Digital Imaging Product Evaluation

Monday, July 27, 2009 10:36:04 AM

# WYSK

"What You Should Know"

<b>Make</b>	Hewlett-Packard	<b>Model</b>	Officejet Pro K8600dn
<b>Functions</b>	Print	<b>Imaging Technology</b>	Ink-jet
<b>Classification</b>	A3 Color Ink-Jet Printers		



As its name suggests, the OfficeJet Pro K8600dn is suitable for general office use. It's equipped with a standard Jetdirect network interface for sharing among up to five users and compatibility with HP's Web JetAdmin for network management. It also features flexible media-handling capability, with the ability to produce borderless prints on up to 13" x 19" media, making it suitable for many graphic-arts and photo applications. A straight paper path enables the printer to handle heavy stock up to 76 lb. bond (158 lb. index), and automatic duplexing is standard.



### Specifications

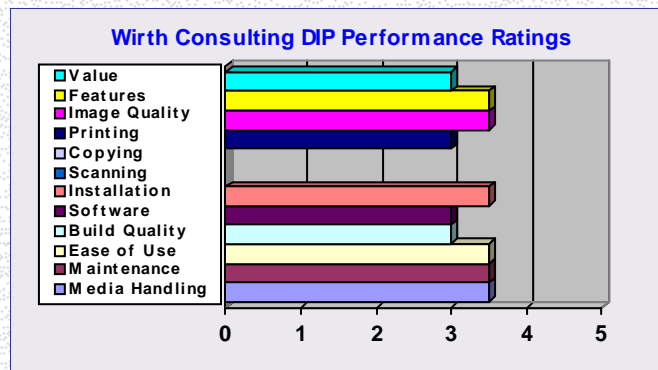
Monthly Duty Cycle	6,250	Max Media Width (inches)	13.0	330.20 mm	Price	\$399.00	€285.84
BW/Color Print Speed (PPM)	33/35	Max Media Length (inches)	19.0	482.60 mm	Duplex	\$99.00	€70.92
Max. Print Resolution (DPI)	4800x1200	Max Media Wt. (bond, lbs.)	76.0	256.50 gsm	Print		
Standard Memory (MB)	32.00	Height (inches)	8.78	223.01 mm	Network		
Std Media Capacity (sheets)	250	Width (inches)	24.00	609.60 mm	Scan		
Max Media Capacity (sheets)	250	Depth (inches)	19.70	500.38 mm	Doc Feeder		
Power Consumption (watts)	80W	Weight (pounds)	32.0	14.51 kg	Full System	\$498.00	€356.77

### Feature Checklist

<b>Value Add</b>	<b>Print</b>	<b>Scan</b>	<b>Copy</b>
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"/>	<b>Ease of Use</b>
Walk-Up Fax <input type="checkbox"/>	Microsoft Windows <input checked="" type="checkbox"/>	<b>Software</b>	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"/>
<b>Image Quality</b>	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"/>	<b>Media Handling</b>	<b>Maintenance</b>
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"/>	<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	3.0
Features	3.5
Image Quality	3.5
Printing	3.0
Copying	
Scanning	



3.5	Installation
3.0	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	33.0	Copier Score		Printer Score	33.0	Scanner Score		Usability Score	16.5
---------------	------	--------------	--	---------------	------	---------------	--	-----------------	------

# Wirth Consulting

## B2B Digital Imaging Product Evaluation

Monday, July 27, 2009 10:36:05 AM

# WYSK

"What You Should Know"

Make **Hewlett-Packard**

Model **Officejet Pro K8600dn**

Classification **A3 Color Ink-Jet Printers**

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

Black Ink/Toner Price	\$40.99	Magenta Ink/Toner Yield (pages)	1,980	Maintenance Kit Price	
Black Ink/Toner Yield	2,450	Yellow Ink/Toner Price	\$26.95	Maintenance Kit Yield	
Cyan Ink/Toner Price	\$26.99	Yellow Ink/Toner Yield	1,540	Other Type	
Cyan Ink/Toner Yield	1,700	Multicolor Ink Price		Other Price	
Magenta Ink/Toner Price	\$26.99	Multicolor Ink Yield		Other Yield	
Black Consumables Cost per Page		\$0.0167	Color Consumables Cost per Page		\$0.0637

### 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	\$0.150	\$0.197	50 pages	\$449.19	\$590.22	\$491.24
100 pages	\$0.083	\$0.130	100 pages	\$499.38	\$781.43	\$587.47
250 pages	\$0.043	\$0.090	250 pages	\$649.96	\$1,355.08	\$876.15
500 pages	\$0.030	\$0.077	500 pages	\$900.92	\$1,355.08	\$1,041.78
1,000 pages	\$0.023	\$0.070	1,000 pages	\$1,402.84	\$4,223.30	\$2,319.56
2,000 pages	\$0.020	\$0.067	2,000 pages	\$2,406.67	\$8,047.61	\$4,244.11
3,000 pages	\$0.019	\$0.066	3,000 pages	\$3,410.51	\$11,871.91	\$6,168.67
4,000 pages	\$0.018	\$0.065	4,000 pages	\$4,414.35	\$15,696.22	\$8,093.22
5,000 pages	\$0.018	\$0.065	5,000 pages	\$5,418.18	\$19,520.52	\$10,017.77

### Wirth Consulting Commentary

#### Strengths

- Low consumables' color cost per page of 6.4 cents; B&W consumables' cost per page is also economical at 1.7 cents per page.
- Produce borderless prints on up to 13 "x 19" (note that the 150-sheet output tray supports 13" x 19" prints). The printer incorporates a straight-through paper path for feeding up to 76 lb. bond (158 lb. index).
- Standard Jetdirect (Ethernet) print server for enhanced network, security and transfer. Optional wireless Jetdirect print server.
- Standard duplexing.

#### 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.
- Two print heads must be periodically replaced. The black/yellow print head is priced at \$71.99, as is the cyan/magenta print head.

#### Best Use

Small and mid-size offices, as well as enterprises, that require color printing capability, and for easy sharing and management on the network. Suitable for some general office use, as well as for users who require the ability to print on media up to 13" x 19" (for producing sales collaterals for instance) and who may require photographic imaging capability. Users who require PostScript should opt for the HP Business Inkjet 2800. Low Total Cost of Ownership and low B/W and color CPP make this an outstanding value.