

Wirth Consulting

B2B Digital Imaging Product Evaluation

Monday, April 04, 2011 12:05:02 PM

WYSK

"What You Should Know"



Make	Hewlett-Packard	Model	Officejet Pro 8000 Enterprise
Functions	Print	Imaging Technology	Ink-Jet
Classification	Ink Vs. Toner Entry-Level Color Office Printers		

The Officejet Pro 8000 Enterprise Printer is HP's first Officejet to provide enterprise-level capability versus previous Officejets, via more memory (256 MB); PCL and PostScript print drivers, and easy automated print-driver deployment. It's also compatible with HP's downloadable Universal Print Driver, and adds broader operating- system compatibility than most others in this group (including SAP, Windows Cluster Server, Citrix Server). Manage and limit color printing. Can be managed with HP's Driver Deployment, Web Jetadmin, and Managed Printing Administration software. Standard automatic duplexing and networking.



Specifications

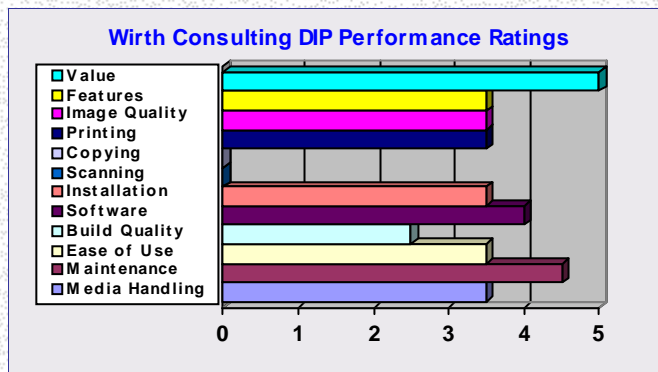
Max Monthly Duty Cycle	15,000	Max Media Width (inches)	8.5	215.90 mm	Price	\$199.99	€157.47
BW/Color Print Speed (PPM)	15/14	Max Media Length (inches)	14.0	355.60 mm	Duplex		
Max Print Resolution (DPI)	600x600	Max Media Wt. (bond, lbs.)	53.0	178.88 gsm	Print		
Standard Memory (MB)	256.00	Height (inches)	7.09	180.09 mm	Network		
Std Media Capacity (sheets)	250	Width (inches)	19.45	494.03 mm	Scan		
Max Media Capacity (sheets)	500	Depth (inches)	23.70	601.98 mm	Doc Feeder		
Power Consumption (watts)	18.2	Weight (pounds)	17.20	7.80 kg	Full System	\$199.99	€157.47

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"/>
PC Fax <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 type="checkbox"/>	Touch Screen <input type="checkbox"/>
Image Quality	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"/>	Media Handling	Maintenance
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 checked="" type="checkbox"/>	Max Weight from all Sources <input checked="" type="checkbox"/>	Finishing
Photographic IQ <input checked="" 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	5.0
Features	3.5
Image Quality	3.5
Printing	3.5
Copying	0.0
Scanning	0.0



3.5	Installation
4.0	Software
2.5	Build Quality
3.5	Ease of Use
4.5	Maintenance
3.5	Media Handling

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

Overall Score	37.0	Copier Score	0.0	Printer Score	37.0	Scanner Score	0.0	Usability Score	18.0
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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	\$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 **\$0.0164** Color Consumables Cost per Page **\$0.0721**

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	\$0.083	\$0.139	50 pages	\$249.07	\$416.15	\$301.71
100 pages	\$0.050	\$0.105	100 pages	\$298.14	\$632.30	\$405.43
250 pages	\$0.030	\$0.085	250 pages	\$445.38	\$1,280.77	\$716.60
500 pages	\$0.023	\$0.079	500 pages	\$690.76	\$1,280.77	\$878.56
1,000 pages	\$0.020	\$0.075	1,000 pages	\$1,181.54	\$4,523.11	\$2,272.44
2,000 pages	\$0.018	\$0.074	2,000 pages	\$2,163.08	\$8,846.22	\$4,346.89
3,000 pages	\$0.017	\$0.073	3,000 pages	\$3,144.63	\$13,169.34	\$6,421.34
4,000 pages	\$0.017	\$0.073	4,000 pages	\$4,126.17	\$17,492.46	\$8,495.78
5,000 pages	\$0.017	\$0.073	5,000 pages	\$5,107.72	\$21,815.57	\$10,570.23

Wirth Consulting Commentary

Strengths

- Very low CPP and TCO.
- Lowest acquisition price in this group (\$199).Low printing power consumption of just 18 watts--the lowest in this class.
- With ink cartridges, there's minimal packaging, and they're easy to replace.
- 10/100Base-T Ethernet network interface and high-speed USB 2.0 port for direct connection.
- PCL 6 and PostScript print drivers; compatible with HP Universal Print Driver. HP 80 Fonts (includes 45 scalable TrueType fonts, 35 built-in PostScript fonts).
- Compatible with HP Driver Deployment, and Web Jetadmin and Managed Printing Administration (MPA) software for managing the printer on the network and fleet management; includes HP Driver Configuration Utility. Manage and limit color-printing usage.
- Print on a broad ranges of substrates, including photo, transparencies, envelopes, brochure, etc.
- Energy Star-certified.

Limitations

- Drying time is required in duplex printing mode.

Notes

- 360 GHz CPU.
- Can use high-yield XL cartridges
- CPP/TCO calculated using XL cartridges.

Best Use

This color ink-jet HP printer is the least-expensive printer in this class, and yet still provides enterprise-level management capabilities. While several other non-HP devices in this class also have notable management features, their CPP and TCO is much higher, and they don't ultimately provide the same degree of manageability--that is 100% compatibility with HP's industry-leading printer deployment and management tools. In sum, because of its solid performance, very low CPP and TCO, and feature set, the HP Officejet Pro 8000 Enterprise is Best In Class as a small workgroup or personal printer in any office, company or enterprise.