

Wirth Consulting

B2B Digital Imaging Product Evaluation

Thursday, April 09, 2009 1:52:40 PM

WYSK

"What You Should Know"

Make	Hewlett-Packard	Model	Color LaserJet CM2320fxi
Functions	Print/Copy/Scan/Fax	Imaging Technology	Laser
Classification	Color MFPs From \$750 To \$1,000		



This color laser MFP incorporates color network printing, copying and network scanning, as well as walk-up fax. It's based on HP's tried-and-true LaserJet platform, and HP rates the system at up to 21 ppm in both color and B&W. With its recommended duty cycle of up to 40,000 pages, it's suitable for light and moderate workloads. It's equipped with HP's Web Jetadmin printer-management solution (considered the gold standard by many), and is based on a robust 450 MHz CPU.



Specifications

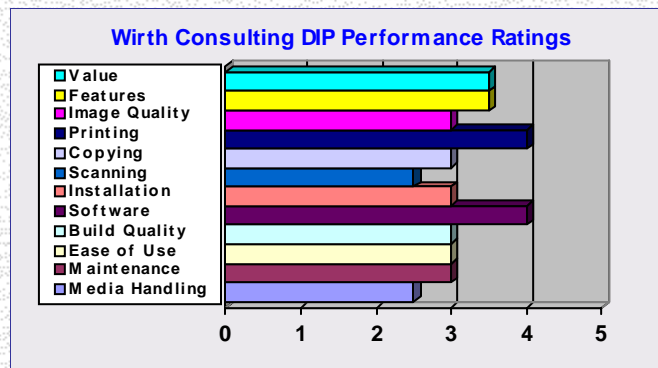
Monthly Duty Cycle	40,000	Max Media Width (inches)	8.5	215.9	mm	Price	\$899.99	€646.19
BW/Color Print Speed (PPM)	21/21	Max Media Length (inches)	14.0	355.6	mm	Duplex		
Max. Print Resolution (DPI)	600x600	Max Media Wt. (bond, lbs.)	59.0	199.1	gsm	Print		
Standard Memory (MB)	160.00	Height (inches)	26.0	660.4	mm	Network		
Std Media Capacity (sheets)	550	Width (inches)	20.0	508.0	mm	Scan		
Max Media Capacity (sheets)	550	Depth (inches)	20.0	508.0	mm	Doc Feeder		
Power Consumption (watts)	460W	Weight (pounds)	72.0	32.7	kg	Full System	\$899.99	€646.19

Feature Checklist

Value Add	Print	Scan	Copy
USB Convenience Port <input checked="" type="checkbox"/>	Duplex Printing <input checked="" type="checkbox"/>	Color Scanning <input checked="" type="checkbox"/>	Duplex Document Feeder <input checked="" type="checkbox"/>
Scanner <input checked="" type="checkbox"/>	Network Printing <input checked="" type="checkbox"/>	Network Scanning <input checked="" type="checkbox"/>	Ease of Use
Walk-Up Fax <input checked="" type="checkbox"/>	Microsoft Windows <input type="checkbox"/>	Software	Graphic Display <input checked="" type="checkbox"/>
LAN Fax <input type="checkbox"/>	Apple Mac <input 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 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 Index Stock <input checked="" type="checkbox"/>	All-in-One Toner Cartridge <input checked="" type="checkbox"/>
Professional IQ <input type="checkbox"/>	PostScript <input checked="" 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	3.0
Printing	4.0
Copying	3.0
Scanning	2.5



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

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

Overall Score	38.0	Copier Score	27.5	Printer Score	32.5	Scanner Score	25.5	Usability Score	16.0
---------------	------	--------------	------	---------------	------	---------------	------	-----------------	------

Wirth Consulting

B2B Digital Imaging Product Evaluation

Thursday, April 09, 2009 1:52:41 PM

WYSK

"What You Should Know"

Make **Hewlett-Packard** Model **Color LaserJet CM2320fx** Classification **Color MFPs From \$750 To \$1,000**

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

Black Ink/Toner Price	\$115.99	Magenta Ink/Toner Yield (pages)	2,800	Maintenance Kit Price	
Black Ink/Toner Yield	3,500	Yellow Ink/Toner Price	\$114.99	Maintenance Kit Yield	
Cyan Ink/Toner Price	\$114.99	Yellow Ink/Toner Yield	2,800	Other Type	
Cyan Ink/Toner Yield	2,800	Multicolor Ink Price		Other Price	
Magenta Ink/Toner Price	\$114.99	Multicolor Ink Yield		Other Yield	
Black Consumables Cost per Page		\$0.0331	Color Consumables Cost per Page		\$0.1563

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	\$0.333	\$0.456	50 pages	\$999.41	\$1,369.02	\$1,111.39
100 pages	\$0.183	\$0.306	100 pages	\$1,098.83	\$1,838.05	\$1,331.78
250 pages	\$0.093	\$0.216	250 pages	\$1,397.09	\$3,245.14	\$1,992.98
500 pages	\$0.063	\$0.186	500 pages	\$1,894.19	\$3,245.14	\$2,321.06
1,000 pages	\$0.048	\$0.171	1,000 pages	\$2,888.39	\$10,280.60	\$5,298.94
2,000 pages	\$0.041	\$0.164	2,000 pages	\$4,876.79	\$19,661.22	\$9,706.88
3,000 pages	\$0.038	\$0.161	3,000 pages	\$6,865.19	\$29,041.83	\$14,114.83
4,000 pages	\$0.037	\$0.160	4,000 pages	\$8,853.59	\$38,422.45	\$18,522.78
5,000 pages	\$0.036	\$0.159	5,000 pages	\$10,841.99	\$47,803.06	\$22,930.72

Wirth Consulting Commentary

Strengths

- Color printing and copying.
- Easy Printer Care software for deploying, monitoring and maintaining up to 20 devices.
- Password-protected lock-out for color printing enables administrators to specify which users can or cannot print in color.
- Readiris PRO OCR software.
- 450 MHz Freescale Coldfire V5X CPU.
- HP Universal Print Driver (print to any HP LaserJet from any location without downloading print drivers).
- Very capable HP Web Jetadmin for device management.

Limitations

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

Best Use

Small- and mid-size offices and workgroups that have B&W network print and copy applications on letter- and legal-size media, as well as B&W/color-scanning and walk-up fax applications, and also have frequent color printing and copying applications. Also suitable for users with occasional graphic-arts applications that require color print/copy capability, ability to accept card stock and index stock. Because it includes HP's Web Jetadmin, this MFP is also suitable for use in enterprises and managed print environments.