

Wirth Consulting

B2B Digital Imaging Product Evaluation

Thursday, April 09, 2009 1:44:14 PM

WYSK

"What You Should Know"

Make	Hewlett-Packard	Model	Color LaserJet CP4005dn
Functions	Print	Imaging Technology	Laser
Classification	Color Duplex Printers From \$1,000 To \$1,500		



Introduced in late 2006, the Color LaserJet CP4005dn features a 533 MHz CPU and rated print speed of up to 35 (B&W)/20 (color) ppm. The 35-ppm B&W print speed makes it suitable for environments with more substantial B&W-print applications, and perhaps more occasional color printing. As with several other LaserJets, its display provides guidance in both text and animated-graphic form, the latter of which can make learning how to perform routine tasks easier. Web Jetadmin makes it a natural fit for environments with predominantly HP and Web Jetadmin-compatible networked devices installed.



Specifications

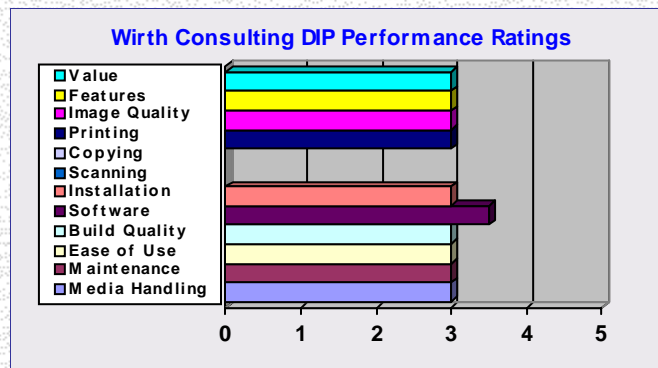
Monthly Duty Cycle	80,000	Max Media Width (inches)	8.5	215.9 mm	Price	\$1,498.99	€1,076.27
BW/Color Print Speed (PPM)	35/20	Max Media Length (inches)	14.0	355.6 mm	Duplex		
Max. Print Resolution (DPI)	600x600	Max Media Wt. (bond, lbs.)	58.0	195.8 gsm	Print		
Standard Memory (MB)	256.00	Height (inches)	25.0	635.0 mm	Network		
Std Media Capacity (sheets)	600	Width (inches)	20.0	508.0 mm	Scan		
Max Media Capacity (sheets)	1,100	Depth (inches)	24.0	609.6 mm	Doc Feeder		
Power Consumption (watts)	567W	Weight (pounds)	108.0	49.0 kg	Full System	\$1,498.99	€1,076.27

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 checked="" 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 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 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 checked="" type="checkbox"/>	Finishing <input type="checkbox"/>

Wirth Consulting Ratings* *On a scale of 0-5, with 5 being the best

Value	3.0
Features	3.0
Image Quality	3.0
Printing	3.0
Copying	
Scanning	



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

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

Overall Score	30.5	Copier Score		Printer Score	30.5	Scanner Score		Usability Score	15.5
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Make **Hewlett-Packard** Model **Color LaserJet CP4005dn** Classification **Color Duplex Printers From \$1,000 To \$1,5**

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

Black Ink/Toner Price	\$179.99	Magenta Ink/Toner Yield (pages)	7,500	Maintenance Kit Price	\$259.99
Black Ink/Toner Yield	7,500	Yellow Ink/Toner Price	\$266.99	Maintenance Kit Yield	150,000
Cyan Ink/Toner Price	\$266.99	Yellow Ink/Toner Yield	7,500	Other Type	
Cyan Ink/Toner Yield	7,500	Multicolor Ink Price		Other Price	
Magenta Ink/Toner Price	\$266.99	Multicolor Ink Yield		Other Yield	
Black Consumables Cost per Page		\$0.0240		Color Consumables Cost per Page	
				\$0.1343	

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	\$0.524	\$0.634	50 pages	\$1,565.79	\$1,896.57	\$1,659.29
100 pages	\$0.274	\$0.384	100 pages	\$1,632.58	\$2,294.16	\$1,834.58
250 pages	\$0.124	\$0.234	250 pages	\$1,832.97	\$3,486.91	\$2,360.44
500 pages	\$0.074	\$0.184	500 pages	\$2,166.95	\$5,474.83	\$3,236.88
1,000 pages	\$0.049	\$0.159	1,000 pages	\$2,834.91	\$9,450.67	\$4,989.76
2,000 pages	\$0.036	\$0.147	2,000 pages	\$4,170.84	\$17,402.34	\$8,495.53
3,000 pages	\$0.032	\$0.143	3,000 pages	\$5,818.75	\$25,666.01	\$12,310.16
4,000 pages	\$0.030	\$0.141	4,000 pages	\$7,258.67	\$33,721.68	\$15,918.88
5,000 pages	\$0.029	\$0.139	5,000 pages	\$8,698.59	\$41,777.35	\$19,527.59

Wirth Consulting Commentary

Strengths

- 10/100BASE-TX Ethernet.
- With Color Access Control, administrators can control color printing with permissions (denying/enabling color printing according to user, application, etc., or simply turn color off).
- Software includes HP's Easy Printer Care (manage up to 15 HP networked devices), Marketing Assistant (provides document templates, marketing advice, etc.).
- Highly capable Web Jetadmin network management.
- 256 MB memory can be expanded to 512 MB.
- Display provides guidance in both text and automated-graphics format.
- Print on up to 120 lb. index (58 lb. bond).

Limitations

- Relatively higher B&W and color consumables' cost per page of 2.4 and 13.25 cents respectively, and relatively higher Total Cost of Ownership for color. Note, however, that administrators can control color printing with Color Access Control permissions.
- Multi-part imaging system (both toner cartridges and imaging drums must be periodically replaced).

Best Use

Small to mid-size businesses and workgroups, as well as enterprise use, where a relatively fast color printer that can produce good image quality and can be efficiently managed is required. Relatively higher color cost per page makes it suitable for primarily printing in B&W with color printing controlled by Color Access Control.