Wirth Consulting

B2B Digital Imaging Product Evaluation

Tuesday, October 06, 2009 11:13:33 AM

W Y S K

"What You Should Know"

Make	Brother	**Model**	MFC-8890DN/MFC-8480DN
Functions	Print/Copy/Scan/Fax	**Imaging Technology**	Laser
Classification	B/W Duplex MFPs Under $500		

Well Worth Consideration!

Brother's MFC-8890DN features a standard duplexing automatic document feeder and wireless Ethernet (802.11 b/g) connectivity and is priced at $499.99. Another version, the MFC-8480DN. provides wired 10/100Base-TX Ethernet network interface, but no duplexing automatic document feeder, and consequently is priced lower at $399.99. Specifications below are for the MFC-8890DN.

Specifications

Monthly Duty Cycle	30,000	Max Media Width (inches)	8.5	215.90	mm	Price	$499.99	€358.19
BW/Color Print Speed (PPM)	32	Max Media Length (inches)	14.0	355.60	mm	Duplex		
Max. Print Resolution (DPI)	1200x1200	Max Media Wt. (bond, lbs.)	43.0	145.13	gsm	Print		
Standard Memory (MB)	64.00	Height (inches)	18.70	474.98	mm	Network		
Std Media Capacity (sheets)	300	Width (inches)	20.90	530.86	mm	Scan		
Max Media Capacity (sheets)	550	Depth (inches)	17.70	449.58	mm	Doc Feeder		
Power Consumption (watts)	680	Weight (pounds)	40.30	18.28	kg	Full System	**$499.99**	**€358.19**

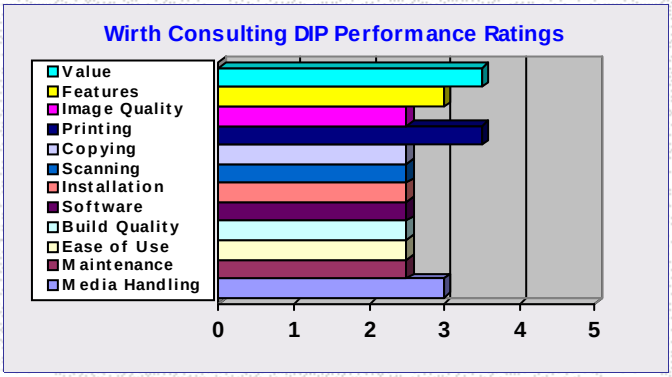
Feature Checklist

Value Add		Print		Scan		Copy	
USB Convenience Port	☑	Duplex Printing	☑	Color Scanning	☑	Duplex Document Feeder	☐
Scanner	☑	Network Printing	☑	Network Scanning	☑	**Ease of Use**	
Walk-Up Fax	☑	Microsoft Windows	☑	**Software**		Graphic Display	☐
LAN Fax	☐	Apple Mac	☑	Desktop Software	☑	Touch Screen	☐
Image Quality		Linux	☐	Web Utilities	☑	Navigation Keys	☑
BW Office IQ	☑	GDI Printing	☐	**Media Handling**		**Maintenance**	
Color Office IQ	☐	PCL	☑	Feeds Index Stock	☐	All-in-One Toner Cartridge	☐
Professional IQ	☐	PostScript	☑	Max Weight from all Sources	☐	**Finishing**	
Photographic IQ	☐	Adobe PostScript	☐	Holds Full Ream of Media	☐	Finishing	☐

Wirth Consulting Ratings*

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

Value	3.5
Features	3.0
Image Quality	2.5
Printing	3.5
Copying	2.5
Scanning	2.5



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

Ratings Scoreboard*

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

Overall Score	33.0	**Copier Score**	24.5	**Printer Score**	28.0	**Scanner Score**	21.5	**Usability Score**	12.5

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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	$119.99	Magenta Ink/Toner Yield (pages)		Maintenance Kit Price	
Black Ink/Toner Yield	8,000	Yellow Ink/Toner Price		Maintenance Kit Yield	
Cyan Ink/Toner Price		Yellow Ink/Toner Yield		Other Type	Drum unit
Cyan Ink/Toner Yield		Multicolor Ink Price		Other Price	$149.99
Magenta Ink/Toner Price		Multicolor Ink Yield		Other Yield	25,000

Black Consumables Cost per Page **$0.0210** Color Consumables Cost per Page

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	**$0.188**		50 pages	**$562.99**		
100 pages	**$0.104**		100 pages	**$625.98**		
250 pages	**$0.054**		250 pages	**$814.97**		
500 pages	**$0.038**		500 pages	**$1,129.94**		
1,000 pages	**$0.029**		1,000 pages	**$1,759.89**		
2,000 pages	**$0.025**		2,000 pages	**$3,019.79**		
3,000 pages	**$0.024**		3,000 pages	**$4,279.69**		
4,000 pages	**$0.023**		4,000 pages	**$5,539.59**		
5,000 pages	**$0.023**		5,000 pages	**$6,799.50**		

Wirth Consulting Commentary

Strengths

•Low consumables' cost per page of 2.1 cents and low TCO (Total Cost of Ownership).
•Standard Ethernet network interface.
•Up to 19,200 x 19,200 dpi interpolated color scanning.
•Scan to e-mail, image, OCR application, file, network folder (CIFS), and USB memory cards.
•PaperPort IISE software for Microsoft Windows for managing scanned documents and for OCR. Presto! PageManager software for Apple Macintosh for managing scanned documents and for OCR.
•USB convenience port for print from and scan to USB memory devices.
•Super Group 3walkup fax.

Limitations

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

Notes

Best Use

For sharing on networks in small and mid-size offices, and in home offices, for network print, copy, scan and fax.

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