

# Wirth Consulting

## B2B Digital Imaging Product Evaluation

Thursday, April 09, 2009 1:27:18 PM

# WYSK

"What You Should Know"

<b>Make</b>	Brother International	<b>Model</b>	MFC-9840CDW
<b>Functions</b>	Print/Copy/Scan/Fax	<b>Imaging Technology</b>	Laser
<b>Classification</b> Color MFPs From \$500 To \$750			

**Well Worth Consideration!**

Brother's MFC-9450CDW features color capability in all modes--users can print, copy, scan and fax in color. It adds duplexing, duplexing automatic document feeder and up to 8.5"x14" (legal) scanning via the platen. Features of note include a generous maximum paper capacity (800 sheets) for this class, plus the system supports Light Directory Access Protocol (LDAP) so that, from the MFC-9440CN, users can securely access e-mail and fax addresses stored on the network.



## Specifications

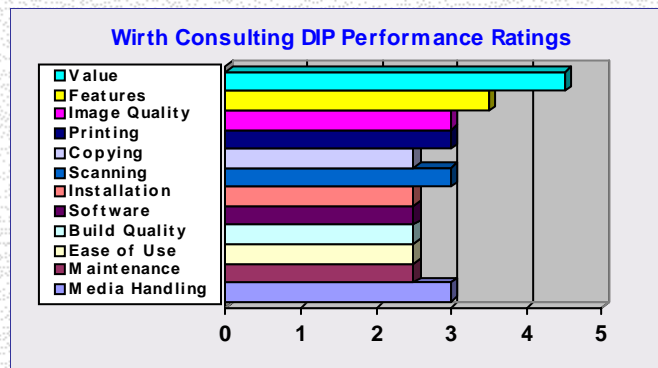
Monthly Duty Cycle	35,000	Max Media Width (inches)	8.5	215.9	mm	Price	\$699.99	€502.59
BW/Color Print Speed (PPM)	21/21	Max Media Length (inches)	14.0	355.6	mm	Duplex		
Max. Print Resolution (DPI)	2,400x600	Max Media Wt. (bond, lbs.)	28.0	94.5	gsm	Print		
Standard Memory (MB)	128.00	Height (inches)	20.0	508.0	mm	Network		
Std Media Capacity (sheets)	300	Width (inches)	21.0	533.4	mm	Scan		
Max Media Capacity (sheets)	800	Depth (inches)	21.0	533.4	mm	Doc Feeder		
Power Consumption (watts)	515W	Weight (pounds)	83.0	37.6	kg	Full System	<b>\$699.99</b>	<b>€502.59</b>

## Feature Checklist

<b>Value Add</b>	<b>Print</b>	<b>Scan</b>	<b>Copy</b>
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"/>	<b>Ease of Use</b>
Walk-Up Fax <input checked="" type="checkbox"/>	Microsoft Windows <input checked="" type="checkbox"/>	<b>Software</b>	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"/>
<b>Image Quality</b>	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"/>	<b>Media Handling</b>	<b>Maintenance</b>
Color Office IQ <input checked="" type="checkbox"/>	PCL <input checked="" type="checkbox"/>	Feeds Index Stock <input 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"/>	<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	4.5
Features	3.5
Image Quality	3.0
Printing	3.0
Copying	2.5
Scanning	3.0



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	35.0	Copier Score	26.5	Printer Score	29.5	Scanner Score	24.0	Usability Score	12.5
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Make **Brother International** Model **MFC-9840CDW** Classification **Color MFPs From \$500 To \$750**

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

Black Ink/Toner Price	\$69.99	Magenta Ink/Toner Yield (pages)	4,000	Maintenance Kit Price	\$127.98		
Black Ink/Toner Yield	5,000	Yellow Ink/Toner Price	\$92.99	Maintenance Kit Yield	70,000		
Cyan Ink/Toner Price	\$92.99	Yellow Ink/Toner Yield	4,000	Other Type	Drum		
Cyan Ink/Toner Yield	4,000	Multicolor Ink Price		Other Price	\$139.00		
Magenta Ink/Toner Price	\$92.99	Multicolor Ink Yield		Other Yield	17,000		
Black Consumables Cost per Page		\$0.0222		Color Consumables Cost per Page		\$0.0956	

### 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	\$0.256	\$0.329	50 pages	\$761.03	\$981.23	\$826.08
100 pages	\$0.139	\$0.212	100 pages	\$822.07	\$1,262.46	\$959.18
250 pages	\$0.069	\$0.142	250 pages	\$1,005.18	\$2,106.17	\$1,358.46
500 pages	\$0.046	\$0.119	500 pages	\$1,310.38	\$3,512.35	\$2,023.92
1,000 pages	\$0.034	\$0.107	1,000 pages	\$1,920.76	\$6,324.71	\$3,354.86
2,000 pages	\$0.028	\$0.101	2,000 pages	\$3,360.93	\$12,168.82	\$6,233.92
3,000 pages	\$0.026	\$0.099	3,000 pages	\$4,691.39	\$17,903.23	\$9,004.39
4,000 pages	\$0.025	\$0.098	4,000 pages	\$6,021.86	\$23,637.64	\$11,774.85
5,000 pages	\$0.025	\$0.098	5,000 pages	\$7,352.33	\$29,372.05	\$14,545.32

### Wirth Consulting Commentary

#### Strengths

- Low B&W and color consumables' cost per page of 2.2 and 9.3 cents respectively.
- 64 MB memory can be expanded up to 576 MB.
- Maximum paper capacity of 800 sheets.
- Scan to and print from USB memory cards and directly print photos captured with PictBridge-compatible cameras.
- Scan to e-mail, OCR, file, FTP and USB memory cards.
- Capable BAdmin network management for Microsoft Windows and Apple Mac.
- Memory Security, Setting Lock and Secure Printing.

NOTE: Print speed is rated at up 21 ppm in both B&W and color, and at up to 17 ppm in both B&W and color in copy mode.

#### Limitations

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

#### Best Use

Small businesses and workgroups that require a compact, capable, relatively low-cost MFP with color print/copy capability, as well as scan and fax. Also suitable for home use. The system's low consumables' cost per page and low Total Cost of Ownership will especially be an advantage in the price-sensitive segment.