

Wirth Consulting

B2B Digital Imaging Product Evaluation

Thursday, April 09, 2009 1:25:16 PM

WYSK

"What You Should Know"

Make	Lexmark International	Model	X544N
Functions	Print/Copy/Scan/Fax	Imaging Technology	Laser
Classification	Color MFPs From \$500 To \$750		



The X544N prints, copies, scans and faxes all in color. It's also powered by a robust 500 MHz CPU, is rated at up to 25 ppm in both B&W and color, and has a large maximum paper capacity of 901 sheets, so it's capable of taking on heavier workflows. It also provides PANTONE color-matching, so it's suitable for color-proofing and some graphic-arts applications in addition to typical business-imaging applications. Original scanning is up to 8.5"x14" (legal).



Specifications

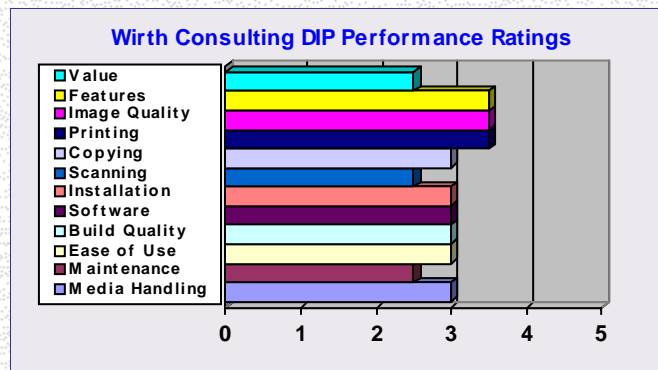
Monthly Duty Cycle	55,000	Max Media Width (inches)	8.5	215.9 mm	Price	\$699.99	€502.59
BW/Color Print Speed (PPM)	25/25	Max Media Length (inches)	14.0	355.6 mm	Duplex		
Max. Print Resolution (DPI)	1,200x1,200	Max Media Wt. (bond, lbs.)	47.0	158.6 gsm	Print		
Standard Memory (MB)	128.00	Height (inches)	18.0	457.2 mm	Network		
Std Media Capacity (sheets)	251	Width (inches)	23.0	584.2 mm	Scan		
Max Media Capacity (sheets)	901	Depth (inches)	22.0	558.8 mm	Doc Feeder		
Power Consumption (watts)		Weight (pounds)	60.0	27.2 kg	Full System	\$699.99	€502.59

Feature Checklist

Value Add	Print	Scan	Copy
USB Convenience Port <input checked="" type="checkbox"/>	Duplex Printing <input 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 checked="" type="checkbox"/>	Software	Graphic Display <input 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 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 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 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	2.5
Features	3.5
Image Quality	3.5
Printing	3.5
Copying	3.0
Scanning	2.5



3.0	Installation
3.0	Software
3.0	Build Quality
3.0	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	36.0	Copier Score	27.0	Printer Score	30.5	Scanner Score	24.0	Usability Score	14.5
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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	\$192.00	Magenta Ink/Toner Yield (pages)	4,000	Maintenance Kit Price	\$10.00
Black Ink/Toner Yield	6,000	Yellow Ink/Toner Price	\$189.00	Maintenance Kit Yield	18,000
Cyan Ink/Toner Price	\$189.00	Yellow Ink/Toner Yield	4,000	Other Type	CYMK Drum
Cyan Ink/Toner Yield	4,000	Multicolor Ink Price		Other Price	\$250.00
Magenta Ink/Toner Price	\$189.00	Multicolor Ink Yield		Other Yield	30,000
Black Consumables Cost per Page		\$0.0403		Color Consumables Cost per Page	
				\$0.1832	

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	\$0.274	\$0.417	50 pages	\$819.32	\$1,247.91	\$952.56
100 pages	\$0.157	\$0.300	100 pages	\$938.66	\$1,795.82	\$1,212.14
250 pages	\$0.087	\$0.230	250 pages	\$1,296.66	\$3,439.57	\$1,990.85
500 pages	\$0.064	\$0.207	500 pages	\$1,909.99	\$3,447.91	\$2,398.40
1,000 pages	\$0.052	\$0.195	1,000 pages	\$3,119.99	\$11,691.66	\$5,917.44
2,000 pages	\$0.046	\$0.189	2,000 pages	\$5,539.99	\$22,683.32	\$11,141.89
3,000 pages	\$0.044	\$0.187	3,000 pages	\$7,959.99	\$33,674.99	\$16,366.34
4,000 pages	\$0.043	\$0.186	4,000 pages	\$10,379.99	\$44,666.66	\$21,590.79
5,000 pages	\$0.043	\$0.186	5,000 pages	\$12,799.99	\$55,658.32	\$26,815.24

Wirth Consulting Commentary

Strengths

- Maximum paper capacity of 901 sheets.
- PANTONE color-matching.
- Capable MarkVision network management.
- 128 MB memory expandable to 640 MB.
- 10/100BASE-TX Ethernet network interface and direct printing of photos captured with PictBridge-compatible cameras.
- Optional wireless print server and optional Gigabit Ethernet network interface.

Limitations

- Relatively high B&W and color consumables' cost per page of 4.0 and 18.2 cents respectively.

Best Use

Small businesses and workgroups, and some enterprises, that require a manageable, compact, relatively low-cost MFP with color print/copy capability, as well as scan and fax. Its PANTONE color-matching also makes it suitable for color-proofing applications. MarkVision Professional provides capable printer-management features.