

Wirth Consulting

B2B Digital Imaging Product Evaluation

Thursday, April 09, 2009 1:42:01 PM

WYSK

"What You Should Know"

Make	Lexmark International	Model	C534DN
Functions	Print	Imaging Technology	Laser
Classification	Color Duplex Printers From \$1,000 To \$1,500		

Well Worth Consideration!

Priced at \$1,000 and with a low consumables' B&W and color cost per page, the C534DN is an economic choice. Lexmark also includes its Color Care for limiting color printing (and to control color-printing costs). One convenient feature is a numeric keypad in order to make it easier for users to enter their PIN numbers and for network set-up. The printer also supports Lexmark's Universal Print Driver. With Lexmark's Universal Print Driver, users can print to a broad range of Lexmark imaging devices with just a single print driver. This reduces IT support, as IT need only install/support one print driver.



Specifications

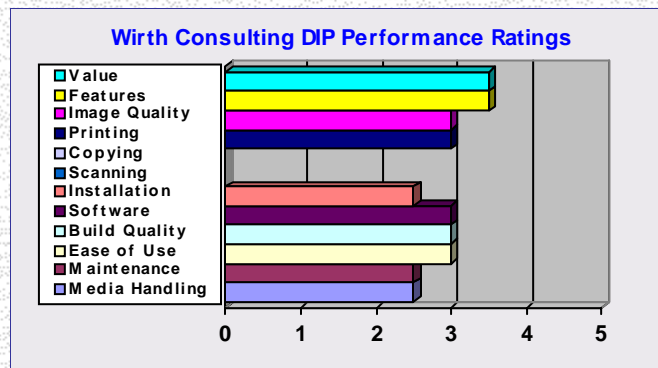
Monthly Duty Cycle	100,000	Max Media Width (inches)	8.5	215.9	mm	Price	\$1,000.00	€718.00
BW/Color Print Speed (PPM)	22/21	Max Media Length (inches)	14.0	355.6	mm	Duplex		
Max. Print Resolution (DPI)	1,200x1,200	Max Media Wt. (bond, lbs.)	47.0	158.6	gsm	Print		
Standard Memory (MB)	256.00	Height (inches)	19.0	482.6	mm	Network		
Std Media Capacity (sheets)	350	Width (inches)	17.0	431.8	mm	Scan		
Max Media Capacity (sheets)	900	Depth (inches)	20.0	508.0	mm	Doc Feeder		
Power Consumption (watts)		Weight (pounds)	59.0	26.8	kg	Full System	\$1,000.00	€718.00

Feature Checklist

Value Add	Print	Scan	Copy
USB Convenience Port <input checked="" 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 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	3.5
Features	3.5
Image Quality	3.0
Printing	3.0
Copying	
Scanning	



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

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

Overall Score	29.5	Copier Score		Printer Score	29.5	Scanner Score		Usability Score	14.0
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Make **Lexmark International** Model **C534DN** 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	\$126.99	Magenta Ink/Toner Yield (pages)	7,000	Maintenance Kit Price	\$401.00
Black Ink/Toner Yield	8,000	Yellow Ink/Toner Price	\$126.99	Maintenance Kit Yield	140,000
Cyan Ink/Toner Price	\$126.99	Yellow Ink/Toner Yield	7,000	Other Type	Drums
Cyan Ink/Toner Yield	7,000	Multicolor Ink Price		Other Price	\$266.99
Magenta Ink/Toner Price	\$126.99	Multicolor Ink Yield		Other Yield	20,000
Black Consumables Cost per Page		\$0.0292		Color Consumables Cost per Page	
				\$0.0894	

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	\$0.363	\$0.423	50 pages	\$1,079.08	\$1,259.54	\$1,127.84
100 pages	\$0.196	\$0.256	100 pages	\$1,158.15	\$1,519.07	\$1,265.67
250 pages	\$0.096	\$0.156	250 pages	\$1,395.38	\$2,297.68	\$1,679.19
500 pages	\$0.063	\$0.123	500 pages	\$1,790.77	\$3,595.35	\$2,368.37
1,000 pages	\$0.046	\$0.106	1,000 pages	\$2,581.54	\$6,190.71	\$3,746.75
2,000 pages	\$0.038	\$0.098	2,000 pages	\$4,163.08	\$11,381.42	\$6,503.50
3,000 pages	\$0.035	\$0.095	3,000 pages	\$6,260.19	\$17,087.70	\$9,770.66
4,000 pages	\$0.033	\$0.094	4,000 pages	\$8,013.58	\$22,450.27	\$12,697.55
5,000 pages	\$0.033	\$0.093	5,000 pages	\$9,766.98	\$27,812.83	\$15,624.44

Wirth Consulting Commentary

Strengths

- Low color consumables' cost per page of 8.6 cents respectively.
- 10/100BASE-TX Ethernet network interface, optional wireless, Gigabit, Fibre Fast Ethernet.
- USB convenience port for printing from memory cards.
- 256 MB can be expanded to 768 MB.
- Capable MarkVision network management.
- Security provisions include SSL, SNMPv3, TCP/IP, 802.1x authentication.
- With Color Care, administrators can limit control printing with permissions and B&W-only print driver.
- Print to most Lexmark imaging devices with Lexmark's Universal Print Driver. IT need only install/support one print driver.

Limitations

- Relatively high B&W consumables' cost per page of 3.0 cents.
- 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 some enterprise use, for both B&W and color office-printing applications, and where efficient printer management is required. Relatively low color consumables' cost per page makes it more appropriate than some other printers for producing higher volumes of color output. Particularly suitable for enterprises that already have a MarkVision Pro management system already in place.