

Wirth Consulting

B2B Digital Imaging Product Evaluation

Thursday, April 09, 2009 1:40:22 PM

WYSK

"What You Should Know"

Make	InfoPrint Solutions	Model	Color 1634dn Express
Functions	Print	Imaging Technology	Laser
Classification	Color Duplex Printers From \$1,000 To \$1,500		



The Color 1634dn Express is marked by InfoPrint Solutions, a joint venture between Ricoh and IBM. Although most of InfoPrint's imaging solutions are higher-end, dealer-distributed MFPs, it has a small family of desktop color-laser printers (five in all). At a rated print speed of up to 24 (B&W)/22 color ppm, the Color 1634dn Express is the company's entry-level color printer. Color Care enables administrators to control color-printing costs by limiting color printing by granting user permissions to print in color.



Specifications

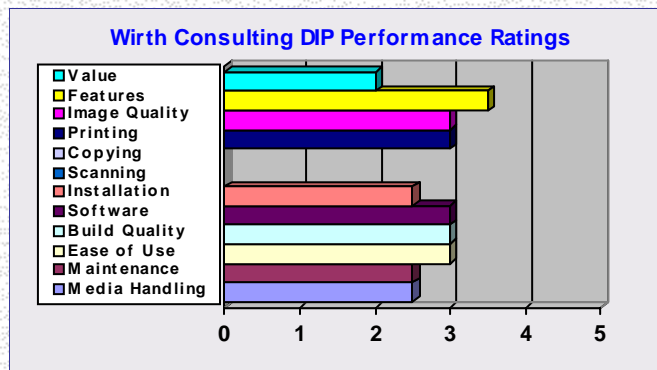
Monthly Duty Cycle	100,000	Max Media Width (inches)	8.5	215.9 mm	Price	\$1,029.99	€739.53
BW/Color Print Speed (PPM)	24/22	Max Media Length (inches)	14.0	355.6 mm	Duplex		
Max. Print Resolution (DPI)	1,200x1,200	Max Media Wt. (bond, lbs.)	58.0	195.8 gsm	Print		
Standard Memory (MB)	256.00	Height (inches)	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)	56.0	25.4 kg	Full System	\$1,029.99	€739.53

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 checked="" 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	2.0
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	28.0	Copier Score		Printer Score	28.0	Scanner Score		Usability Score	14.0
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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	\$194.97	Magenta Ink/Toner Yield (pages)	5,000	Maintenance Kit Price	\$472.11		
Black Ink/Toner Yield	8,000	Yellow Ink/Toner Price	\$209.97	Maintenance Kit Yield	240,000		
Cyan Ink/Toner Price	\$209.99	Yellow Ink/Toner Yield	5,000	Other Type	Drum		
Cyan Ink/Toner Yield	5,000	Multicolor Ink Price		Other Price	\$42.00		
Magenta Ink/Toner Price	\$209.97	Multicolor Ink Yield		Other Yield	20,000		
Black Consumables Cost per Page		\$0.0265		Color Consumables Cost per Page		\$0.1564	

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	\$0.370	\$0.500	50 pages	\$1,103.50	\$1,493.26	\$1,221.09
100 pages	\$0.198	\$0.328	100 pages	\$1,177.01	\$1,956.54	\$1,422.49
250 pages	\$0.095	\$0.225	250 pages	\$1,397.55	\$3,346.36	\$2,026.68
500 pages	\$0.061	\$0.191	500 pages	\$1,765.11	\$5,662.72	\$3,033.67
1,000 pages	\$0.044	\$0.174	1,000 pages	\$2,500.24	\$10,295.45	\$5,047.66
2,000 pages	\$0.035	\$0.165	2,000 pages	\$3,970.49	\$19,560.92	\$9,075.62
3,000 pages	\$0.032	\$0.162	3,000 pages	\$5,440.73	\$28,826.38	\$13,103.59
4,000 pages	\$0.031	\$0.161	4,000 pages	\$7,383.09	\$38,563.95	\$17,598.94
5,000 pages	\$0.030	\$0.160	5,000 pages	\$8,971.37	\$47,947.44	\$21,743.76

Wirth Consulting Commentary

Strengths

- Capable InfoPrint Network Printer Management.
- Color Care for managing limiting color printing with permissions, B&W-only print drivers, etc.
- USB convenience port for printing from memory cards.
- Optional hard drive for collation, secure printing, save print jobs, proof printing.
- 10/100BASE-TX Ethernet, optional 1000BASE-TX Ethernet and wireless.
- Print on up to 120 lb. bond.

Limitations

- High B&W and color consumables' cost per page of 2.6 and 15.4 cents respectively.
- Multi-part imaging system (both toner cartridges and imaging drums must be periodically replaced).

Best Use

Small to mid-size businesses and workgroups that require a desktop color printer for both B&W and color office-printing applications. Relatively high color consumables' cost per page might makes it more appropriate for environments with primarily B&W printing, and perhaps occasional color printing. May be particularly desirable in managed Lexmark environments.