

Wirth Consulting

B2B Digital Imaging Product Evaluation

Thursday, April 09, 2009 1:40:53 PM

WYSK

"What You Should Know"

Make	InfoPrint Solutions	Model	Color 1754dn Express
Functions	Print	Imaging Technology	Laser
Classification Color Duplex Printers From \$1,000 To \$1,500			



With its 800 MHz CPU and 33 (B&W)/29 (color) ppm rated print speeds, the Color 1754dn Express is in the mid-range of InfoPrint Solutions' color laser-printer family. Color Care enables administrators to limit color printing, and thus control color-printing costs, by granting users permissions to print in color.



Specifications

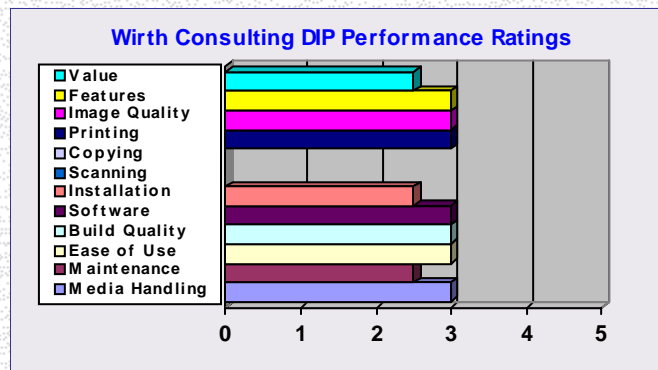
Monthly Duty Cycle	120,000	Max Media Width (inches)	9.0	228.6	mm	Price	\$1,139.99	€818.51
BW/Color Print Speed (PPM)	33/29	Max Media Length (inches)	14.0	355.6	mm	Duplex		
Max. Print Resolution (DPI)	1,200x1,200	Max Media Wt. (bond, lbs.)	47.0	158.6	gsm	Print		
Standard Memory (MB)	256.00	Height (inches)	24.0	609.6	mm	Network		
Std Media Capacity (sheets)	600	Width (inches)	18.0	457.2	mm	Scan		
Max Media Capacity (sheets)	1,100	Depth (inches)	21.0	533.4	mm	Doc Feeder		
Power Consumption (watts)		Weight (pounds)	105.0	47.6	kg	Full System	\$1,139.99	€818.51

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 checked="" type="checkbox"/>
Professional IQ <input type="checkbox"/>	PostScript <input checked="" type="checkbox"/>	Max Weight from all Sources <input checked="" 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	3.0
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
3.0	Media Handling

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

Overall Score	28.5	Copier Score		Printer Score	28.5	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	\$173.18	Magenta Ink/Toner Yield (pages)	10,000	Maintenance Kit Price	\$442.09
Black Ink/Toner Yield	10,000	Yellow Ink/Toner Price	\$413.74	Maintenance Kit Yield	200,000
Cyan Ink/Toner Price	\$413.74	Yellow Ink/Toner Yield	10,000	Other Type	
Cyan Ink/Toner Yield	10,000	Multicolor Ink Price		Other Price	
Magenta Ink/Toner Price	\$413.74	Multicolor Ink Yield		Other Yield	
Black Consumables Cost per Page		\$0.0173	Color Consumables Cost per Page		\$0.1459

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	\$0.397	\$0.526	50 pages	\$1,185.31	\$1,570.94	\$1,300.72
100 pages	\$0.207	\$0.336	100 pages	\$1,230.64	\$2,001.89	\$1,472.84
250 pages	\$0.093	\$0.222	250 pages	\$1,366.60	\$3,294.75	\$1,989.22
500 pages	\$0.055	\$0.184	500 pages	\$1,593.22	\$5,449.50	\$2,849.86
1,000 pages	\$0.036	\$0.165	1,000 pages	\$2,046.44	\$9,759.02	\$4,571.13
2,000 pages	\$0.027	\$0.155	2,000 pages	\$2,952.90	\$18,378.04	\$8,013.67
3,000 pages	\$0.024	\$0.152	3,000 pages	\$3,859.35	\$26,997.07	\$11,456.20
4,000 pages	\$0.022	\$0.151	4,000 pages	\$5,296.31	\$36,146.61	\$15,423.94
5,000 pages	\$0.021	\$0.150	5,000 pages	\$6,335.39	\$44,898.26	\$18,997.78

Wirth Consulting Commentary

Strengths

- Color Care enables administrators to limit color printing with permissions and B&W-only print drivers.
- 256 memory can be expanded to 768 MB.
- Optional 40-GB hard drive for collation, secure print, saved print files, proof printing.
- 10/100BASE-TX Ethernet, optional 10/100/1000BASE-TX Ethernet, wireless.
- USB convenience port for printing from USB memory cards.
- InfoPrint Network Management.

Limitations

- Relatively high color consumables' cost per page of 14.3 cents; however, color printing can be controlled with Color Care.

Best Use

Small to mid-size businesses and workgroups, some enterprise use for B&W and color office-printing applications. Relatively high color consumables' cost per page may make it more suitable for environments with primarily B&W printing applications, and perhaps occasional color printing, and may be particularly desirable in managed Lexmark environments.