

Wirth Consulting

B2B Digital Imaging Product Evaluation

Friday, February 19, 2010 4:08:34 PM

WYSK

"What You Should Know"

Make	Samsung	Model	CLX-3175FN
Functions	Print/Copy/Scan/Fax	Imaging Technology	Toner
Classification	Entry-Level Toner-Based Color MFPs		



Features Samsung's distinctive matte black exterior, and incorporates color network print, color network scan, color copy, and color walkup fax, as well as PC fax. The CLX-3175FW features convenient wireless 802.11b/g wireless connectivity. A low relatively low acquisition price, capable performance, above average ease of use and good build quality make this device Worth Consideration for very low volume copy/B/W print and copy applications.



Specifications

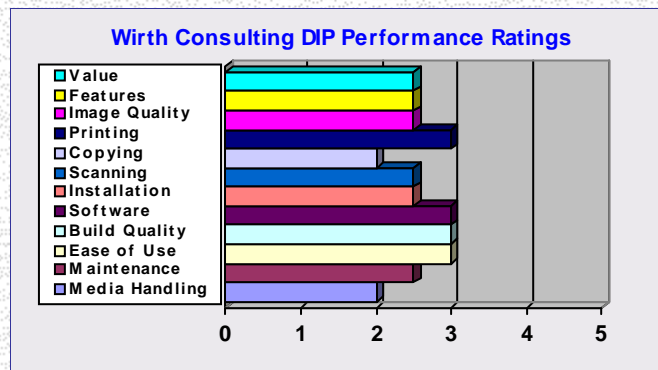
Max Monthly Duty Cycle	20,000	Max Media Width (inches)	8.5	215.90	mm	Price	\$399.99	€286.55
BW/Color Print Speed (PPM)	17/4	Max Media Length (inches)	14.0	355.60	mm	Duplex	\$0.00	€0.00
Max Print Resolution (DPI)	2400x600	Max Media Wt. (bond, lbs.)	28.0	94.50	gsm	Print	\$0.00	€0.00
Standard Memory (MB)	128.00	Height (inches)	13.50	342.90	mm	Network	\$0.00	€0.00
Std Media Capacity (sheets)	150	Width (inches)	16.30	414.02	mm	Scan	\$0.00	€0.00
Max Media Capacity (sheets)	150	Depth (inches)	14.70	373.38	mm	Doc Feeder	\$0.00	€0.00
Power Consumption (watts)	350	Weight (pounds)	33.50	15.20	kg	Full System	\$399.99	€286.55

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 type="checkbox"/>
PC Fax <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 type="checkbox"/>	Web Utilities <input checked="" type="checkbox"/>	Navigation Keys <input checked="" type="checkbox"/>
BW Office IQ <input checked="" type="checkbox"/>	GDI Printing <input checked="" type="checkbox"/>	Media Handling	Maintenance
Color Office IQ <input checked="" type="checkbox"/>	PCL <input type="checkbox"/>	Feeds 110-lb. Index Stock <input type="checkbox"/>	All-in-One Toner Cartridge <input type="checkbox"/>
Professional IQ <input type="checkbox"/>	PostScript <input 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 type="checkbox"/>	Finishing <input type="checkbox"/>

Wirth Consulting Ratings* *On a scale of 0-5, with 5 being the best

Value	2.5
Features	2.5
Image Quality	2.5
Printing	3.0
Copying	2.0
Scanning	2.5



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

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

Overall Score	31.0	Copier Score	22.5	Printer Score	26.5	Scanner Score	21.5	Usability Score	14.0
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Classification **Entry-Level Toner-Based Color MFPs**

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

Black Ink/Toner Price	\$49.85	Magenta Ink/Toner Yield (pages)	1,000	Maintenance Kit Price	
Black Ink/Toner Yield	1,000	Yellow Ink/Toner Price	\$49.85	Maintenance Kit Yield	
Cyan Ink/Toner Price	\$49.85	Yellow Ink/Toner Yield	1,000	Other Type	Imaging Unit
Cyan Ink/Toner Yield	1,000	Multicolor Ink Price		Other Price	\$185.00
Magenta Ink/Toner Price	\$49.85	Multicolor Ink Yield		Other Yield	24,000
Black Consumables Cost per Page		\$0.0576		Color Consumables Cost per Page	
				\$0.2071	

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	\$0.191	\$0.340	50 pages	\$572.67	\$1,021.32	\$714.99
100 pages	\$0.124	\$0.274	100 pages	\$745.34	\$1,642.64	\$1,034.00
250 pages	\$0.084	\$0.234	250 pages	\$1,263.37	\$3,506.62	\$1,991.00
500 pages	\$0.071	\$0.220	500 pages	\$2,126.74	\$3,506.62	\$2,560.83
1,000 pages	\$0.064	\$0.214	1,000 pages	\$3,853.49	\$12,826.49	\$6,776.05
2,000 pages	\$0.061	\$0.210	2,000 pages	\$7,306.99	\$25,252.99	\$13,156.10
3,000 pages	\$0.060	\$0.209	3,000 pages	\$10,760.49	\$37,679.49	\$19,536.16
4,000 pages	\$0.059	\$0.209	4,000 pages	\$14,213.99	\$50,105.99	\$25,916.21
5,000 pages	\$0.059	\$0.208	5,000 pages	\$17,667.49	\$62,532.49	\$32,296.27

Wirth Consulting Commentary

Strengths

- USB convenience port for scan to and print from USB flash drives.
- Color Super Group 3 fax and PC fax.
- 10/100BaseTX Ethernet network interface.
- Color scan to network folder, computer application. TWAIN and WIA scan drivers for pull scanning.

Limitations

- Relatively high black and color cost per page of 5.7 and 20.7 cents respectively.
- No automatic duplex printing.
- 15-sheet automatic document feeder.
- Standard and maximum paper supply more limited at 150 sheets.
- Automatic document feeder does not provide automatic scanning of two-sided originals.

Notes

- Image Transfer belt is \$122.79; page yield is not available. Waste Toner Tank is \$8.95; page yield not available.

Best Use

A versatile entry-level value for small- and home-office users that require a full-functioned A4 color MFP, and who don't require duplex printing or automatic duplex scanning. As this is a B2B Head2Head Comparison, users who require duplex capabilities from Samsung will need to inquire among members of the Samsung dealer channel about the MultiXpress C8540ND. High cost per page relegates this otherwise capable device to very low print volume printing applications.