

Wirth Consulting

B2B Digital Imaging Product Evaluation

Friday, September 04, 2009 12:21:33 PM

WYSK

"What You Should Know"

Make	OKI DATA	Model	MC560N
Functions	Print/Copy/Scan/Fax	Imaging Technology	LED-array
Classification	Color MFPs From \$750 To \$1,000		


Well Worth
Consideration!

OKI DATA's MC560N uses the company's LED-array imaging technology (a toner-based technology similar to laser imaging). While standard paper sources accept up to 8.5" x 14", the bypass tray supports banner printing (up to 8.5" x 48"). This, along with printing on heavier stock (up to 110 lb. index), makes the system suitable for some graphic-image applications. Also of note is a maximum paper capacity of 930 pages, which is substantial for this segment.



Specifications

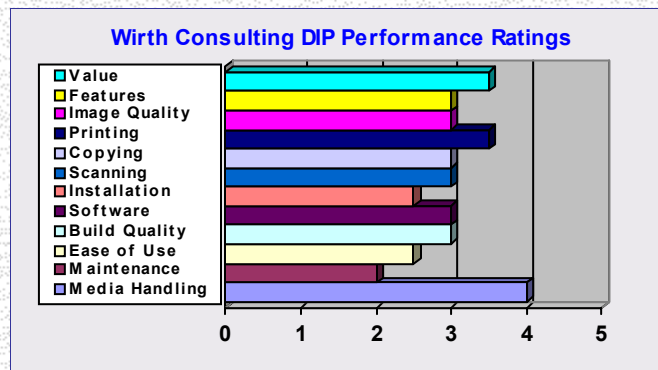
Monthly Duty Cycle	60,000	Max Media Width (inches)	8.5	215.90 mm	Price	\$999.00	€715.68
BW/Color Print Speed (PPM)	32/20	Max Media Length (inches)	48.0	1,219.20 mm	Duplex	\$143.00	€102.45
Max. Print Resolution (DPI)	1200x600	Max Media Wt. (bond, lbs.)	53.0	178.88 gsm	Print		
Standard Memory (MB)	256.00	Height (inches)	26.70	678.18 mm	Network		
Std Media Capacity (sheets)	400	Width (inches)	19.70	500.38 mm	Scan		
Max Media Capacity (sheets)	930	Depth (inches)	23.16	588.26 mm	Doc Feeder		
Power Consumption (watts)	1,200	Weight (pounds)	81.60	37.01 kg	Full System	\$1,142.00	€818.13

Feature Checklist

Value Add	Print	Scan	Copy
USB Convenience Port <input type="checkbox"/>	Duplex Printing <input checked="" type="checkbox"/>	Color Scanning <input checked="" type="checkbox"/>	Duplex Document Feeder <input 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 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 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	3.5
Features	3.0
Image Quality	3.0
Printing	3.5
Copying	3.0
Scanning	3.0



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

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

Overall Score	36.0	Copier Score	26.5	Printer Score	30.0	Scanner Score	23.5	Usability Score	13.0
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Model **MC560N**

Classification **Color MFPs From \$750 To \$1,000**

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

Black Ink/Toner Price	\$123.00	Magenta Ink/Toner Yield (pages)	6,000	Maintenance Kit Price	
Black Ink/Toner Yield	8,000	Yellow Ink/Toner Price	\$185.00	Maintenance Kit Yield	
Cyan Ink/Toner Price	\$185.00	Yellow Ink/Toner Yield	6,000	Other Type	4 drums
Cyan Ink/Toner Yield	6,000	Multicolor Ink Price		Other Price	\$300.00
Magenta Ink/Toner Price	\$185.00	Multicolor Ink Yield		Other Yield	80,000
Black Consumables Cost per Page		\$0.0191	Color Consumables Cost per Page		\$0.1116

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	\$0.352	\$0.445	50 pages	\$1,056.38	\$1,333.88	\$1,137.39
100 pages	\$0.186	\$0.278	100 pages	\$1,113.75	\$1,668.75	\$1,285.76
250 pages	\$0.086	\$0.178	250 pages	\$1,285.88	\$2,673.38	\$1,730.89
500 pages	\$0.052	\$0.145	500 pages	\$1,572.75	\$2,673.38	\$1,920.23
1,000 pages	\$0.036	\$0.128	1,000 pages	\$2,146.50	\$7,696.50	\$3,956.54
2,000 pages	\$0.027	\$0.120	2,000 pages	\$3,294.00	\$14,394.00	\$6,924.06
3,000 pages	\$0.025	\$0.117	3,000 pages	\$4,441.50	\$21,091.50	\$9,891.59
4,000 pages	\$0.023	\$0.116	4,000 pages	\$5,589.00	\$27,789.00	\$12,859.11
5,000 pages	\$0.022	\$0.115	5,000 pages	\$6,736.50	\$34,486.50	\$15,826.64

Wirth Consulting Commentary

Strengths

- Print on up to 110 lb. index via bypass; bypass also supports banner printing (print on up to 8.5" x 48" via bypass).
- Network scanning includes scan to FTP sites, PC, to e-mail (supports LDAP). Nuance PaperPort 11.2 software for scanning.
- Capable PrintSuperVision network management, and job accounting software.
- Color Access Policy Manager for limiting color usage among users.
- 500 MHz CPU.
- Secure hard-drive erase and 256-bit encryption with PIN.
- Comparatively low B/W and color consumables' cost per page, and low total cost of ownership (TCO).

Limitations

- No duplexing document feeder.
- Multi-component consumables system, as the device utilizes four toner cartridge (one for each color - CYMK) and four imaging drums (one for each color - CYMK).

Notes

- Optional 530-sheet paper drawer (\$183.99).
- Optional 40-GB hard drive (\$304.99).
- Optional 512 MB memory upgrade (\$232.99).

Best Use

Home offices and small offices and workgroups that have B/W network print and copy applications on letter- and legal-size media, as well as B&W/color-scanning and walk-up fax applications, and also have frequent color printing and copying applications. Also suitable for users with occasional graphic-arts applications that require color print/copy capability, ability to accept card stock and 110 lb. index, as well as for specialized applications that involve printing on longer media (up to 4 feet), for producing color banners, signs, etc.