

What You Should Know

Office Digital Imaging Product Evaluation

Wednesday, January 06, 2010 1:03:48 PM

Konica Minolta

bizhub 421

A3 B/W 40-49 PPM MFPs

Authorized Dealers



Product Introduction



Konica Minolta introduced this B/W office MFP in September 2008. In its standard configuration, it features an 80-sheet RADF and supports copy and network scan. Customers may add the IC-207 Image Controller with Emperon Print System (\$1,500) for network printing. The IC-207 controller includes PCL 6 and PostScript 3 print drivers, as well as XPS (XML Page Specification) printing, and is powered by a 600 MHz CPU. The bizhub 421 also supports the company's open-development platform, bizhub Extended Solution Technology (bEST), for custom integration with third-party software for advanced applications accessible at the touch screen.

Key Specifications and Pricing

Functions	Print/Copy/Scan/Fax	Std Media Capacity (sheets)	1,150	Price	\$10,206.00	€7,311.58	
Imaging Technology	Laser	Max Media Capacity (sheets)	5,650	Duplex	\$0.00	€0.00	
Monthly Duty Cycle (pages)	150,000	Max Media Sources	5	Print	\$1,500.00	€1,074.60	
BW/Color Print Speed (PPM)	42	Max Media Width (inches/mm)	11.0	279.4	Network	\$0.00	€0.00
Max Print Resolution (DPI)	2400x600	Max Media Length (inches/mm)	17.0	431.8	Scan	\$0.00	€0.00
Std Printer Memory (MB)	1,024	Max Media Wt. (bond, lbs./gsm)	56.0	189.0	Doc Feeder	\$0.00	€0.00
Max Printer Memory (MB)	1,024	Height (inches/mm)	35.20	894.08	Media Trays	2x500 sheet drawers	
Hard Drive (GB)	120	Width (inches/mm)	26.70	678.18	Price	\$1,124.00	€805.23
Hard Drive Overwrite	Yes	Depth (inches/mm)	27.90	708.66	LCT	\$1,449.00	€1,038.06
Ethernet Network Interface	10/100/1000BaseTX	Weight (pounds/kg)	215.0	97.5	Finisher	50-Sheet Finisher	
User Authentication	Yes	Power Consumption (watts)	1,560	Price	\$3,255.00	€2,331.88	

Feature Analysis, Ratings (from 0-5, with 5 being best) and Composite Scores

Value	2.5	Copying	3.0	Scanning	2.5	Printing	3.0	
Overall Score	28.5	Copier Score	20.0	Scanner Score	17.5	Printer Score	23.0	
Full System Price	\$11,706.00	Duplex Document Feeder	<input checked="" type="checkbox"/>	Color Scanning	<input type="checkbox"/>	Print Processor (MHz)	600	
Black Cost per Page	\$0.0057	Touch Screen	<input checked="" type="checkbox"/>	Network Scanning	<input checked="" type="checkbox"/>	Maximum Memory (MB)	1,024	
Color Cost per Page		Hard Drive	<input checked="" type="checkbox"/>	Open Platform	<input checked="" type="checkbox"/>	BW/Color Print Speed	42	
Black TCO* (5k/mo)	\$11,930.76					Windows	<input checked="" type="checkbox"/> Linux	<input checked="" type="checkbox"/>
Color TCO* (5k/mo)						Apple Mac	<input checked="" type="checkbox"/> PCL	<input checked="" type="checkbox"/>
Mixed** TCO* (5k/mo)						GDI Printing	<input type="checkbox"/> PostScript	<input checked="" type="checkbox"/>
*Base Price; **67% BW and 33% Color								

Features	3.0
USB Convenience Port	<input checked="" type="checkbox"/>
Scanner	<input checked="" type="checkbox"/>
Walk-Up Fax	<input checked="" type="checkbox"/>
LAN Fax	<input type="checkbox"/>
Duplex Printing	<input checked="" type="checkbox"/>
Network Printing	<input checked="" type="checkbox"/>

Image Quality	3.5
Imaging Technology	Laser
Max. Resolution	2400x600
BW Office IQ	<input checked="" type="checkbox"/>
Color Office IQ	<input type="checkbox"/>
Professional IQ	<input type="checkbox"/>
Photographic IQ	<input type="checkbox"/>

Media Handling	2.5
Max Media Sources	5
Max Wt. (bond, lbs.)	56.0
Feeds 110-lb. Index Stock	<input checked="" type="checkbox"/>
Max Weight from all Sources	<input type="checkbox"/>
Finishing	<input checked="" type="checkbox"/>

Maintenance	2.5
Black Page Yield	32,200
All-in-One Toner Cartridge	<input type="checkbox"/>
Holds Full Ream of Media	<input checked="" type="checkbox"/>

Software	3.0
Desktop Software	<input checked="" type="checkbox"/>
Web Utilities	<input checked="" type="checkbox"/>
Adobe PostScript	<input type="checkbox"/>
Open Platform	<input checked="" type="checkbox"/>

Ease of Use	3.0
Usability Score	8.5
Graphic Display	<input type="checkbox"/>
Touch Screen	<input checked="" type="checkbox"/>
Navigation Keys	<input type="checkbox"/>
Holds Full Ream of Media	<input checked="" type="checkbox"/>

Consumables Pricing and Yields

*Based on an original area coverage of 5% per color. **Yield in pages

Consumable	Price	Yield**	Dev Price	Dev Yield**	Drum Price	Drum Yield**
Black Ink/Toner	\$115.00	32,200	\$218.00	225,000	\$272.00	225,000
Cyan Ink/Toner						
Magenta Ink/Toner						
Yellow Ink/Toner						
Multicolor Ink						
Other Type						
Other						
Maintenance Kit						

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Supply Cost Per Page and Total Cost of Ownership*

*CPP and TCO include the base price depreciated over a five-year period (not including service) **Based on 66% Black/33% Color

Monthly Volume	Black CPP	Color CPP	Black TCO	Color TCO	Mixed TCO**
50 pages	\$3.408		\$10,223.25		
100 pages	\$1.707		\$10,240.50		
250 pages	\$0.686		\$10,292.24		
500 pages	\$0.346		\$10,378.48		
1,000 pages	\$0.176		\$10,550.95		
2,000 pages	\$0.091		\$10,895.90		
3,000 pages	\$0.062		\$11,240.86		
4,000 pages	\$0.048		\$11,585.81		
5,000 pages	\$0.040		\$11,930.76		

Consumables CPP

(Based on an original area coverage of 5% per color)

Black Cost Per Page
Black Consumables Cost per Page
\$0.0057
Color Cost Per Page
Color Consumables Cost per Page

Strengths

- Low cost per page of 0.5 cents.
 - USB convenience port for print from and scan to USB memory drives.
 - With Konica Minolta's Universal Print Driver, there is only a single print driver to deploy for printing to Konica Minolta and third-party networked devices.
 - PageScope Suite for network management and remote-monitoring, etc.
 - Standard 80-sheet reversing automatic document feeder (RADF) rated at 70 opm.
 - Print on up to 56 lb. bond (approximately 120 lb. index) via bypass tray.
 - Scan to: e-mail (supports LDAP), FTP, SMB, WebDAV, and optional hard drive; Network TWAIN (HDD TWAIN) and WS-Scan. bizhub Send for scanning to multiple destinations in a single operation.
 - bizhub Secure Print, Encrypted Network Printing, IP Filtering, SSL/TLS Encryption, S/MIME Encryption, HDD Lock, User Authentication, Job Erase and HDD Sanitizing.
- SECURITY OPTIONS: Network authentication; Biometric Authentication option (reads finger-vein patterns and is used to restrict access--\$480); HID Card Reader option; account tracking; hard-drive erase (up to 7 times) and HDD encryption.
- OPTIONS: 120-GB hard drive (\$699); Image Panel (view thumbnail pages on touch screen, access and manage files stored in hard-drive memory); stapling/finishing (\$3,255); saddle-stitch booklet-making; document hole-punching; Super Group 3 fax (includes PC fax); i-Option for accessing the Web via the touch screen; enhanced PDF encryption.

Limitations

- Network printing is optional (\$1,500).

Notes

- Toner yield is at 6-percent page coverage.
- Consumables' pricing and yields shown are for OEM Konica Minolta supply items ordered online via the Web.

Best Use

Offices and mid- to large-sized workgroups that require an A3 office MFP and have monochrome network print, copy and scan applications (optional fax), and may also benefit from the system's advanced workflow capability.