

@Head2Head Comparison

Make	Ricoh	
Model	Aficio SP C4110DN	
Price	\$999.00	
Imaging	Laser	
Classification	A4 Color Printers From \$750 To \$1,000	
Resolution (dpi)	600x600	Network Scan <input type="checkbox"/>
BW/Color Print Speed (ppm)	26/26	Color Scan <input type="checkbox"/>
Monthly Duty Cycle (pages)	150,000	Network Print <input checked="" type="checkbox"/>
Max Media Length (inches)	14.0	Duplex Print <input checked="" type="checkbox"/>
Max Media Width	8.50	Duplex DF <input type="checkbox"/>
Walk-Up Fax <input type="checkbox"/>	Touch Screen <input type="checkbox"/>	USB 2.0 Port <input type="checkbox"/>

Ricoh rates this desktop color-laser printer, which is driven by a 600 MHz CPU, at up to 26 ppm in both B&W and color. Of note is an Adobe PostScript 3 print driver (not a PostScript emulation), optional Fast Ethernet interface and optional wireless print server. Paper capacity can be expanded up to 1,750 sheets, and the printer can print on up to 110 lb. index stock. Of note is its low B&W and color consumables' cost per page.

@Head2Head Comparison

Make	OKI Printing Solutions	
Model	C5800Ldn	
Price	\$799.99	
Imaging	LED-array	
Classification	A4 Color Printers From \$750 To \$1,000	
Resolution (dpi)	1,200x600	Network Scan <input type="checkbox"/>
BW/Color Print Speed (ppm)	28/24	Color Scan <input type="checkbox"/>
Monthly Duty Cycle (pages)	60,000	Network Print <input checked="" type="checkbox"/>
Max Media Length (inches)	47.2	Duplex Print <input checked="" type="checkbox"/>
Max Media Width	8.50	Duplex DF <input type="checkbox"/>
Walk-Up Fax <input type="checkbox"/>	Touch Screen <input type="checkbox"/>	USB 2.0 Port <input type="checkbox"/>

This desktop color-laser printer is based on OKI Printing Solutions' LED-array imaging technology, a toner-based imaging technology that is similar to laser technology. It is similar to the C1650dn, but print speed is slower and it utilizes a slower CPU (200 MHz versus 500 MHz). Consequently, pricing is lower at \$799.99, versus \$835.99 for the C6150dn. As with most OKI printers, the C5800Ldn provides versatile paper handling: users can print on up to 110 lb. index and on banner sheets up to 8.5" wide x 47.25" long.

@Head2Head Comparison

Make	OKI Printing Solutions	
Model	C6150dn	
Price	\$834.99	
Imaging	LED-array	
Classification	A4 Color Printers From \$750 To \$1,000	
Resolution (dpi)	1,200x600	Network Scan <input type="checkbox"/>
BW/Color Print Speed (ppm)	32/26	Color Scan <input type="checkbox"/>
Monthly Duty Cycle (pages)	60,000	Network Print <input checked="" type="checkbox"/>
Max Media Length (inches)	48.0	Duplex Print <input checked="" type="checkbox"/>
Max Media Width	8.50	Duplex DF <input type="checkbox"/>
Walk-Up Fax <input type="checkbox"/>	Touch Screen <input type="checkbox"/>	USB 2.0 Port <input type="checkbox"/>

This desktop color-laser printer is based on OKI Printing Solutions' LED-array imaging technology, a toner-based imaging technology that is similar to laser technology. Because of fewer moving parts, OKI states that LED-array imaging is more reliable; thus it offers a five-year warranty on the LED print heads (as well as a one-year warranty on the printer itself). As with most OKI printers, the C6150dn provides versatile paper handling: users can print on up to 110 lb. index and on banner sheets up to 8.5" wide x 48" long.

@Head2Head Comparison

Make	InfoPrint Solutions	
Model	Color 1754n Express	
Price	\$946.99	
Imaging	Laser	
Classification	A4 Color Printers From \$750 To \$1,000	
Resolution (dpi)	1,200x1,200	Network Scan <input type="checkbox"/>
BW/Color Print Speed (ppm)	35/31	Color Scan <input type="checkbox"/>
Monthly Duty Cycle (pages)	100,000	Network Print <input checked="" type="checkbox"/>
Max Media Length (inches)	14.0	Duplex Print <input type="checkbox"/>
Max Media Width	8.50	Duplex DF <input type="checkbox"/>
Walk-Up Fax <input type="checkbox"/>	Touch Screen <input type="checkbox"/>	USB 2.0 Port <input checked="" type="checkbox"/>

IBM Infoprint's Color 1754 Express is equipped with all the features necessary for higher-volume performance—800 MHz CPU, rated print speeds of up to 35 (B&W)/31 (color) ppm, and optional stapler/sorter document finisher (\$804). An optional Fast Ethernet network interface is available for faster data transmission. However, duplexing, which is usually standard in this class, is optional (\$585).

@Head2Head Comparison

Make	Hewlett-Packard	
Model	Color LaserJet CP3525dn	
Price	\$899.99	
Imaging	Laser	
Classification	A4 Color Printers From \$750 To \$1,000	
Resolution (dpi)	600x600	Network Scan <input type="checkbox"/>
BW/Color Print Speed (ppm)	30/30	Color Scan <input type="checkbox"/>
Monthly Duty Cycle (pages)	75,000	Network Print <input checked="" type="checkbox"/>
Max Media Length (inches)	14.0	Duplex Print <input checked="" type="checkbox"/>
Max Media Width	8.50	Duplex DF <input type="checkbox"/>
Walk-Up Fax <input type="checkbox"/>	Touch Screen <input type="checkbox"/>	USB 2.0 Port <input type="checkbox"/>

This desktop color-laser printer is powered by a 515 MHz CPU, so expect fast processing of print jobs. Networking is standard, as is duplexing. Rated print speeds of up to 30 ppm (in B&W and color) and HP's Web Jetadmin make the printer suitable for small/mid-size business use as well as enterprise use. Note the very low B&W consumables cost per page of just 1.8 cents, as many printers in this class will be used for producing significant B&W output, not just color output.

@Head2Head Comparison

Make	Panasonic	
Model	KX-CL400	
Price	\$859.99	
Imaging	Laser	
Classification	A4 Color Printers From \$750 To \$1,000	
Resolution (dpi)	1,200x1,200	Network Scan <input type="checkbox"/>
BW/Color Print Speed (ppm)	18/18	Color Scan <input type="checkbox"/>
Monthly Duty Cycle (pages)		Network Print <input checked="" type="checkbox"/>
Max Media Length (inches)	14.0	Duplex Print <input checked="" type="checkbox"/>
Max Media Width	8.50	Duplex DF <input type="checkbox"/>
Walk-Up Fax <input type="checkbox"/>	Touch Screen <input type="checkbox"/>	USB 2.0 Port <input checked="" type="checkbox"/>

Can be equipped with optional Adobe PostScript 3 print driver. The Adobe PostScript 3 driver and standard color-matching software make it suitable for color-proofing applications. An interesting provision is Panasonic's Induction Heating (IH) technology. Panasonic says that with IH technology, the KX-CL400 warms up faster and prints from sleep mode while using only 8W of power.

@Head2Head Comparison

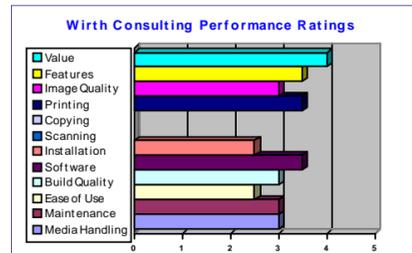
Make	Konica Minolta	
Model	magicolor 5650EN	
Price	\$849.00	
Imaging	Laser	
Classification	A4 Color Printers From \$750 To \$1,000	
Resolution (dpi)	9,600x600	Network Scan <input type="checkbox"/>
BW/Color Print Speed (ppm)	31/31	Color Scan <input type="checkbox"/>
Monthly Duty Cycle (pages)	120,000	Network Print <input checked="" type="checkbox"/>
Max Media Length (inches)	47.2	Duplex Print <input checked="" type="checkbox"/>
Max Media Width	8.50	Duplex DF <input type="checkbox"/>
Walk-Up Fax <input type="checkbox"/>	Touch Screen <input type="checkbox"/>	USB 2.0 Port <input checked="" type="checkbox"/>

The magicolor 5650EN is a true workhorse color printer with its Emperor-based system, 733 MHz Freescale PowerPC CPU, Fast Ethernet (Gigabit) network interface and rated print speed of up to 31 ppm (B&W and color) and excellent fax performance. Also expect excellent paper handling: users can print on up to 110 lb. index stock and on banner sheets up to 8.5" wide x 47.24" long. An optional stapler/sorter will also increase productivity. Duplexing, however is optional (\$299.99), and brings pricing to 1148.99.

@Head2Head Comparison

Make	Xerox Corporation	
Model	Phaser 8560/DN	
Price	\$899.99	
Imaging	Solid Ink	
Classification	A4 Color Printers From \$750 To \$1,000	
Resolution (dpi)	2,400	Network Scan <input type="checkbox"/>
BW/Color Print Speed (ppm)	30/30	Color Scan <input type="checkbox"/>
Monthly Duty Cycle (pages)	85,000	Network Print <input checked="" type="checkbox"/>
Max Media Length (inches)	14.0	Duplex Print <input checked="" type="checkbox"/>
Max Media Width	8.50	Duplex DF <input type="checkbox"/>
Walk-Up Fax <input type="checkbox"/>	Touch Screen <input type="checkbox"/>	USB 2.0 Port <input type="checkbox"/>

This desktop color printer uses solid-ink imaging technology. Advantages of solid-ink include: better color image quality than laser imaging; supplies come in the form of solid ink "bullets" that are very easy to replace (no need to worry about toner leakage); energy consumption tends to be lower than with laser devices (this printer consumes only 230W during printing, while laser printers typically consume about twice as much). Except good performance with a 600 MHz CPU and, as a Xerox printer, exceptional ease-of-use.



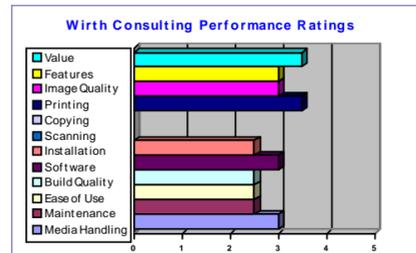
RATINGS SCOREBOARD Total Ratings Score **31.5**

Supplies Cost Per Page

Black/Color	\$0.01368	\$0.05144	
Total Cost of Ownership (Black/Color/Mixed)			
100 pages/month	\$1,071.27	\$1,297.84	\$1,135.33
500 pages/month	\$1,360.37	\$2,493.21	\$1,720.61
1,000 pages/month	\$1,721.75	\$3,987.43	\$2,452.20
3,000 pages/month	\$3,167.24	\$9,964.28	\$5,378.59
5,000 pages/month	\$5,101.73	\$16,430.11	\$8,789.07

Strengths	Limitations
<ul style="list-style-type: none"> •Very low B&W and color consumables' cost per page of 1.3 and 4.9 cents respectively. •600MHz CPU. •10/100BASE-TX Ethernet network interface. •Adobe PostScript 3 print driver (not a PostScript emulation). •Optional upgrade to MFP capability (adds copy and network-scan functions). •Print on up to 110 lb. index stock. •Maximum paper capacity of up to 1,750 sheets. •Optional Bluetooth wireless server, as well as optional wireless and Gigabit Fast Ethernet network interfaces. •Supports Microsoft Windows, Apple Macintosh and Linux environments. •Capable SmartDeviceMonitor network management. 	<ul style="list-style-type: none"> •Wirth Consulting has determined that this device does not have any notable limitations and should provide good functionality.

Best Use
For small/mid-size businesses, as well as workgroups and enterprise use, for B&W and office-color applications (such as business correspondence and color graphics). Also suitable for color-proofing and very light production output.



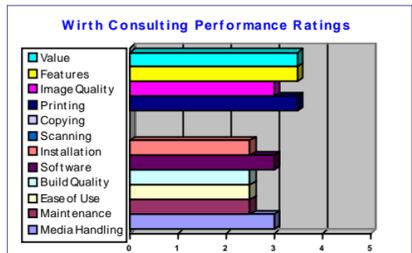
RATINGS SCOREBOARD Total Ratings Score **29.0**

Supplies Cost Per Page

Black/Color	\$0.03104	\$0.13820	
Total Cost of Ownership (Black/Color/Mixed)			
100 pages/month	\$966.09	\$1,609.04	\$1,168.60
500 pages/month	\$1,630.49	\$4,845.23	\$2,675.05
1,000 pages/month	\$2,460.99	\$8,890.48	\$4,558.11
3,000 pages/month	\$6,387.45	\$25,675.90	\$12,688.88
5,000 pages/month	\$10,112.42	\$42,259.84	\$20,619.84

Strengths	Limitations
<ul style="list-style-type: none"> •One-year warranty on printer and five-year warranty on print heads. •10/100BASE-T Ethernet network interface. •Print on banner sheets up to 8.5" (W) x 47.24" (L) and on up to 110 lb. index stock. •Capable PrintSuperVision network management. •Standard 128 MB of memory can be expanded to 320 MB. •Supports MS Windows and Apple Macintosh. 	<ul style="list-style-type: none"> •Relatively high color consumables' cost per page and color Total Cost of Ownership. •No PCL or PostScript print drivers; uses GDI printing instead. With GDI printing, the printer uses some of the host computer's processing power. •256-bit encryption of print files from computer workstation to printer (requires optional hard drive). •Supports MS Windows and Apple Macintosh.

Best Use
For small/mid-size businesses, as well as workgroups and enterprise use, for B&W and office-color applications (such as business correspondence and color graphics). Also suitable for some color-proofing.



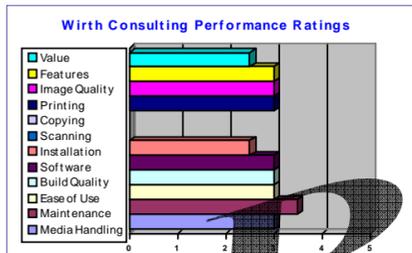
RATINGS SCOREBOARD Total Ratings Score **29.5**

Supplies Cost Per Page

Black/Color	\$0.02137	\$0.11248	
Total Cost of Ownership (Black/Color/Mixed)			
100 pages/month	\$945.99	\$1,492.00	\$1,111.94
500 pages/month	\$1,589.99	\$4,123.49	\$2,278.14
1,000 pages/month	\$2,944.99	\$7,411.98	\$3,729.65
3,000 pages/month	\$4,680.96	\$21,081.93	\$10,048.88
5,000 pages/month	\$7,244.94	\$34,579.89	\$16,193.02

Strengths	Limitations
<ul style="list-style-type: none"> •Print on up to 110 lb. index stock. •Optional 40-GB hard drive for collation, document storage, password-protection, etc. •Optional hard drive for collation, document storage, password-protection, etc. •Standard 256 MB of memory can be expanded to 768 MB. •One-year warranty on printer and five-year warranty on print heads. •Capable PrintSuperVision network management. •Color-collation and matching software. •256-bit encryption of print files from computer workstation to printer (requires optional hard drive). •Supports MS Windows and Apple Macintosh. 	<ul style="list-style-type: none"> •Wirth Consulting has determined that this device does not have any notable limitations and should provide good functionality.

Best Use
For small/mid-size businesses, as well as workgroups and enterprise use, for B&W and office-color applications (such as business correspondence and color graphics). Also suitable for some color-proofing.



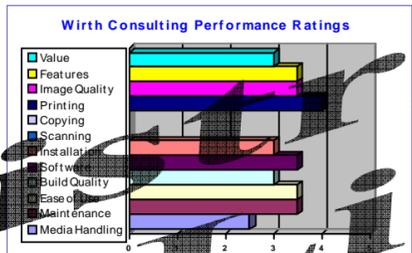
RATINGS SCOREBOARD Total Ratings Score **29.5**

Supplies Cost Per Page

Black/Color	\$0.02178	\$0.11248	
Total Cost of Ownership (Black/Color/Mixed)			
100 pages/month	\$1,052.58	\$1,611.94	\$1,111.94
500 pages/month	\$1,474.58	\$4,342.22	\$2,406.41
1,000 pages/month	\$2,002.95	\$7,737.45	\$3,875.29
3,000 pages/month	\$4,114.81	\$21,318.38	\$9,750.84
5,000 pages/month	\$7,480.20	\$36,152.82	\$14,867.36

Strengths	Limitations
<ul style="list-style-type: none"> •Low B&W consumables' cost per page of 1.8 cents. •USB network interface. •600 MHz CPU. •Optional hard drive for collation, document storage, password-protected printing, etc. •10/100BASE-T Ethernet network interface. •Optional wireless print server, as well as Gigabit Fast Ethernet (1,000BASE-T) network interface. •Print on card stock and up to 113 lb. index stock. •Supports MS Windows, Apple Macintosh and Linux environments. •InfoPrint network management. •Optional Staple Smart Finisher for sorting and stapling (\$804). 	<ul style="list-style-type: none"> •Wirth Consulting has determined that this device does not have any notable limitations and should provide good functionality.

Best Use
For small/mid-size businesses, as well as workgroups and enterprise use, for B&W and some office-color applications (such as business correspondence and color graphics).



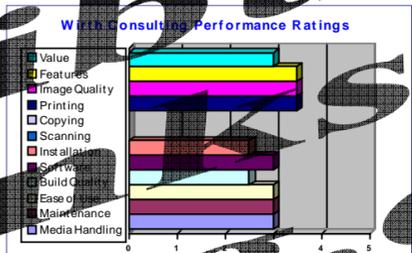
RATINGS SCOREBOARD Total Ratings Score **33.0**

Supplies Cost Per Page

Black/Color	\$0.01838	\$0.11395	
Total Cost of Ownership (Black/Color/Mixed)			
100 pages/month	\$1,010.27	\$1,511.67	\$1,111.94
500 pages/month	\$1,611.39	\$4,111.20	\$1,908.05
1,000 pages/month	\$2,201.79	\$8,816.82	\$4,231.39
3,000 pages/month	\$4,208.39	\$24,650.48	\$10,912.19
5,000 pages/month	\$6,413.99	\$40,484.13	\$17,593.00

Strengths	Limitations
<ul style="list-style-type: none"> •Low B&W consumables' cost per page of 1.8 cents. •515 MHz Motorola Coldfire V5x CPU. •Print on up to 120 lb. index. •Standard 256 MB of memory can be expanded to 1 GB. •Easy Printer Care for monitoring the device. •Very capable Web Jetadmin network management. •Color Access Control enables administrators to specify which users can print in color. •IPSec and IPv6 security protocols. •Gigabit Fast Ethernet (10/100/1000BASE-T) Ethernet network interface. •Optional hard drive. •Broad range of optional HP Jetdirect network interfaces, optional wireless print server. •Supports Microsoft Windows, Apple Mac and Linux environments. 	<ul style="list-style-type: none"> •Color consumables' cost per page relatively high at 13.1 cents.

Best Use
For small/mid-size businesses as well as workgroups and enterprise use for primarily B&W office applications, as well as for office-color applications (such as business correspondence and color graphics).



RATINGS SCOREBOARD Total Ratings Score **30.5**

Supplies Cost Per Page

Black/Color	\$0.02211	\$0.06093	
Total Cost of Ownership (Black/Color/Mixed)			
100 pages/month	\$992.65	\$1,225.57	\$1,059.59
500 pages/month	\$1,523.29	\$1,773.94	\$1,590.77
1,000 pages/month	\$2,186.59	\$4,515.79	\$2,933.36
3,000 pages/month	\$4,839.79	\$11,827.39	\$7,097.30
5,000 pages/month	\$7,492.99	\$19,138.99	\$11,261.24

Strengths	Limitations
<ul style="list-style-type: none"> •Very low B&W and color consumables' cost per page of 2.1 and 6.0 cents respectively. •10/100BASE-TX Ethernet network interface. •ICM, ColorSync, SWOP, EuroScale color-matching. •Supports IPv6 network security protocol. •Optional hard drive for collation, document storage, password-protected printing, etc. •Optional Adobe PostScript 3 print driver. •128 MB of memory upgradeable to 512 MB. •Supports MS Windows, Apple Mac and Linux environments. •Network management. •Print Count Manager enables administrators to limit pages printed by designated groups, as well as restrict the number of color pages printed. •Maximum paper capacity of 1,690 sheets. •400 MHz CPU. •Print on up to 110 lb. index stock. 	<ul style="list-style-type: none"> •Wirth Consulting has determined that this device does not have any notable limitations and should provide good functionality.

Best Use
For small/mid-size businesses as well as workgroups, for B&W and office-color applications (such as business correspondence and color graphics). Also suitable for color-proofing and some very light color production.

