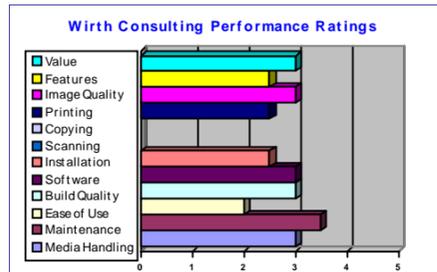


@Head2Head Comparison

Make	Ricoh	
Model	Aficio SP C222DN	
Price	\$529.00	
Imaging	Laser	
Classification	A4 Color Printers From \$500 To \$750	
Resolution (dpi)	2,400x600	Network Scan <input type="checkbox"/>
BW/Color Print Speed (ppm)	21/21	Color Scan <input type="checkbox"/>
Monthly Duty Cycle (pages)	30,000	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 usually markets its office-imaging devices through its dealer channel--indeed, most "Aficio" brand devices (usually MFPS) typically cost thousands if not tens of thousands of dollars. However, it also markets a select number of desktop printers, such as the Aficio SP C222DN, via the retail channel. It introduced the \$529 SP C222DN, which provides networking and duplexing, in January 2008.



RATINGS SCOREBOARD Total Ratings Score 28.0

Supplies Cost Per Page

Black/Color	\$0.03000	\$0.16498	
Total Cost of Ownership (Black/Color/ Mixed)			
100 pages/month	\$708.97	\$1,518.88	\$969.15
500 pages/month	\$1,428.85	\$3,003.70	\$1,934.26
1,000 pages/month	\$2,328.70	\$10,427.80	\$4,978.12
3,000 pages/month	\$5,928.10	\$30,225.40	\$13,886.93
5,000 pages/month	\$9,527.50	\$50,023.00	\$22,795.74

Strengths

- Low B&W consumables' cost per page of 3.0 cents.
- All-in-one toner cartridges make maintenance easier (no drums to replace).
- Maximum paper capacity of 750 sheets means longer uninterrupted operation.
- 10/100BASE-TX Ethernet network interface.
- Supports MS Win and Apple Mac environments.
- PostScript 3 and Universal print drivers.
- Directly print photos captured with PictBridge-compatible digital cameras.
- Optional wireless print server.
- Web-based Status Image Monitor enables users to check supply levels and configure device settings.
- PANTONE color tables.
- Capable SmartDeviceMonitor for Admin network management.

Limitations

- No PCL or PostScript print drivers available.
- Prints on card and 110 lb. index stock.
- Maximum paper capacity of 930 sheets is longer, uninterrupted operation.
- 10/100BASE-T Ethernet network interface.
- Standard 64 MB of memory can be expanded to 320 MB.
- Prints on banners up to four-feet long via bypass tray; main paper drawers accept up to 8.5"x14".
- Supports Microsoft Windows, Apple Macintosh and Linux environments.
- Capable PrintSuperVision network management.
- Color emulation and color-correction software.

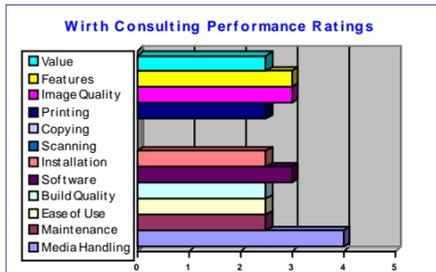
Best Use

Small/mid-size businesses, as well as workgroup use, for B&W printing and for business-color applications, such as printing business correspondence.

@Head2Head Comparison

Make	OKI Printing Solutions	
Model	C5650dn	
Price	\$589.00	
Imaging	LED-array	
Classification	A4 Color Printers From \$500 To \$750	
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)	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"/>

Introduced in May 2008 for small workgroups and businesses, the C5650dn color laser-printer is equipped with networking and duplex and has a maximum duty cycle of up to 60,000 pages per month. Rated print speeds of up to 28 (B&W)/24 (color) ppm, and standard network connectivity will make it useful for both small and mid-size businesses. Of special note is the ability to print on 110 lb. index stock, printing on banner sheets up to four feet long, and generous maximum paper capacity of 930 sheets.



RATINGS SCOREBOARD Total Ratings Score 28.0

Supplies Cost Per Page

Black/Color	\$0.04014	\$0.12988	
Total Cost of Ownership (Black/Color/ Mixed)			
100 pages/month	\$809.77	\$1,348.21	\$979.36
500 pages/month	\$1,692.86	\$4,385.04	\$2,564.35
1,000 pages/month	\$2,796.72	\$8,181.07	\$4,545.59
3,000 pages/month	\$7,144.29	\$23,967.34	\$13,066.65
5,000 pages/month	\$12,631.35	\$39,552.90	\$21,389.02

Strengths

- One-year warranty for printer, five-year warranty for digital LED print heads.
- Prints on card and 110 lb. index stock.
- Maximum paper capacity of 930 sheets is longer, uninterrupted operation.
- 10/100BASE-T Ethernet network interface.
- Standard 64 MB of memory can be expanded to 320 MB.
- Prints on banners up to four-feet long via bypass tray; main paper drawers accept up to 8.5"x14".
- Supports Microsoft Windows, Apple Macintosh and Linux environments.
- Capable PrintSuperVision network management.
- Color emulation and color-correction software.

Limitations

- No PCL or PostScript print drivers available.
- Prints on card and 110 lb. index stock.
- Maximum paper capacity of 930 sheets is longer, uninterrupted operation.
- 10/100BASE-T Ethernet network interface.
- Standard 64 MB of memory can be expanded to 320 MB.
- Prints on banners up to four-feet long via bypass tray; main paper drawers accept up to 8.5"x14".
- Supports Microsoft Windows, Apple Macintosh and Linux environments.
- Capable PrintSuperVision network management.
- Color emulation and color-correction software.

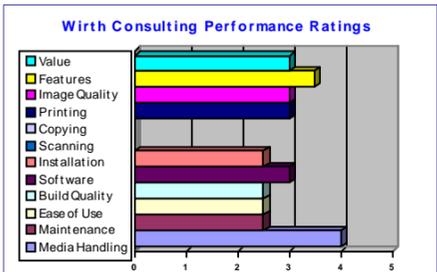
Best Use

Small/mid-size businesses for B&W printing and for business-color applications, such as printing business correspondence. Some graphic-arts applications and some workgroup use.

@Head2Head Comparison

Make	OKI Printing Solutions	
Model	C6050dn	
Price	\$639.00	
Imaging	LED-array	
Classification	A4 Color Printers From \$500 To \$750	
Resolution (dpi)	600x1,200	Network Scan <input type="checkbox"/>
BW/Color Print Speed (ppm)	26/20	Color Scan <input type="checkbox"/>
Monthly Duty Cycle (pages)	55,000	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 with 500 MHz CPU is built on OKI Printing Solutions' toner-based LED-array imaging technology. While similar to laser imaging, LED-array imaging uses fewer moving parts, so expect greater reliability (OKI provides a five-year warranty on the LED print heads, something not matched by laser printers). Media-handling is better than average for this class, with a maximum paper capacity of a generous 930 sheets; printing on banner sheets up to 4 feet long; and printing on 120 lb. index (80 lb. cover).



RATINGS SCOREBOARD Total Ratings Score 29.5

Supplies Cost Per Page

Black/Color	\$0.02306	\$0.11867	
Total Cost of Ownership (Black/Color/ Mixed)			
100 pages/month	\$757.20	\$1,330.85	\$938.93
500 pages/month	\$1,230.00	\$4,098.24	\$2,154.22
1,000 pages/month	\$1,821.00	\$7,657.49	\$3,695.83
3,000 pages/month	\$5,199.46	\$21,998.91	\$10,420.68
5,000 pages/month	\$7,855.46	\$36,238.85	\$16,946.06

Strengths

- Print on 120 lb. index (80 lb. cover).
- 500 MHz PowerPC CPU.
- Standard 256 MB of memory can be expanded to 512 MB.
- Supports MS Windows and Apple Mac environments.
- Prints on banner sheets up to 48"; main paper drawers accept up to 8.5"x14".
- One-year warranty for printer, five-year warranty for digital LED print heads.
- Capable PrintSuperVision network management.
- 10/100 BASE-T Ethernet network interface.

Limitations

- Wirth Consulting has determined that this device does not have any notable limitations and should provide good functionality.

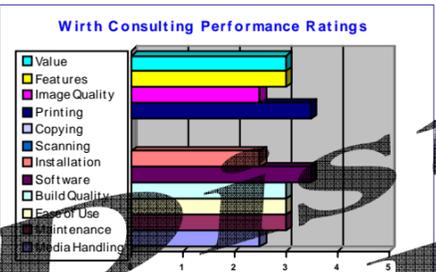
Best Use

Small/mid-size businesses, as well as workgroup use, for B&W printing and for business-color applications, such as printing business correspondence. Some graphic-arts applications.

@Head2Head Comparison

Make	Samsung Electronics	
Model	CLP-660ND	
Price	\$598.99	
Imaging	Laser	
Classification	A4 Color Printers From \$500 To \$750	
Resolution (dpi)	2,400x600	Network Scan <input type="checkbox"/>
BW/Color Print Speed (ppm)	25/25	Color Scan <input type="checkbox"/>
Monthly Duty Cycle (pages)	80,000	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 checked="" type="checkbox"/>

The CLP-660ND desktop color-laser printer with network and duplexing is powered by a robust 533 MHz CPU and is rated at up to 25 ppm in both color and B&W. Coming from Samsung Electronics, the number-two maker of print engines, users can expect a solid color-laser printer. Like most color laser printers in this class, it will likely be used heavily for printing just B&W output. Fortunately, it provides a low B&W cost per page that is very competitive with that of B&W-only printers.



RATINGS SCOREBOARD Total Ratings Score 29.5

Supplies Cost Per Page

Black/Color	\$0.02618	\$0.10057	
Total Cost of Ownership (Black/Color/ Mixed)			
100 pages/month	\$756.06	\$1,202.42	\$895.80
500 pages/month	\$1,384.33	\$2,107.57	\$1,609.16
1,000 pages/month	\$2,169.67	\$6,633.11	\$3,620.92
3,000 pages/month	\$5,311.01	\$18,701.89	\$9,676.92
5,000 pages/month	\$8,452.39	\$29,770.59	\$15,732.87

Strengths

- Low B&W consumables' cost per page of 2.6 cents.
- All-in-one toner cartridges make maintenance easier (no drums to replace).
- Standard 128 MB of memory can be expanded to 640 MB.
- PostScript 3 print driver.
- 533 MHz CPU.
- Capable SyncThru network management.
- Supports MS Windows, Apple Mac and Linux environments.
- 10/100BASE-TX Ethernet network interface.

Limitations

- Wirth Consulting has determined that this device does not have any notable limitations and should provide good functionality.

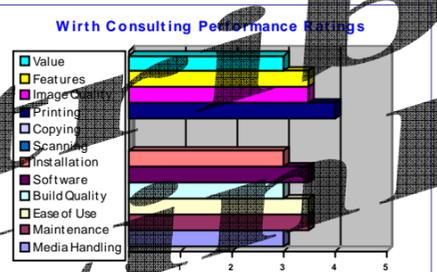
Best Use

Small/mid-size businesses for B&W printing and for business-color applications, such as printing business correspondence. Some graphic-arts and color-proofing applications.

@Head2Head Comparison

Make	Hewlett-Packard	
Model	Color LaserJet CP2025x	
Price	\$599.00	
Imaging	Laser	
Classification	A4 Color Printers From \$500 To \$750	
Resolution (dpi)	600x600	Network Scan <input type="checkbox"/>
BW/Color Print Speed (ppm)	21/21	Color Scan <input type="checkbox"/>
Monthly Duty Cycle (pages)	40,000	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"/>

HP recently launched the Color LaserJet CP2025 in September 2008. This color-laser printer features both networking and duplexing, and is driven by a robust 540 MHz CPU, so users can expect fast print-job processing. It features HP's Web Jetadmin, which is the most popular network-management software on the market, and makes it suitable for enterprise use, as well as for small/mid-size business use.



RATINGS SCOREBOARD Total Ratings Score 30.0

Supplies Cost Per Page

Black/Color	\$0.03514	\$0.16622	
Total Cost of Ownership (Black/Color/ Mixed)			
100 pages/month	\$809.84	\$1,600.49	\$1,062.66
500 pages/month	\$1,653.20	\$3,102.73	\$2,115.01
1,000 pages/month	\$2,707.40	\$10,613.90	\$5,289.47
3,000 pages/month	\$6,924.20	\$30,643.70	\$14,682.39
5,000 pages/month	\$11,141.00	\$50,673.50	\$24,075.32

Strengths

- HP ImageREI 3600 resolution enhancement.
- With color lock-out capability, administrators can specify which users can print in color.
- Print on card stock.
- Supports Microsoft Windows, Apple Mac and Linux environments.
- Standard 128 MB of memory can be expanded to 348 MB.
- 540 MHz CPU.
- PostScript 3 print driver.
- 10/100BASE-T Ethernet network interface.
- Toolbox FX device-configuration utility.
- Capable Web Jetadmin network management.
- Standard paper capacity of 800 sheets for longer uninterrupted operation.
- Optional wireless print server.
- All-in-one toner cartridges make maintenance easier (no separate drums to replace).

Limitations

- Wirth Consulting has determined that this device does not have any notable limitations and should provide good functionality.

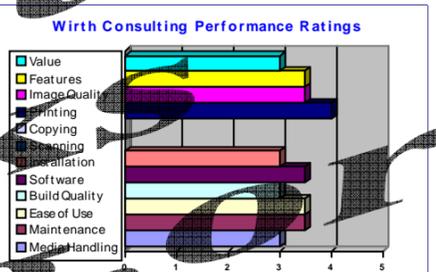
Best Use

Small/mid-size businesses for B&W printing and for business-color applications, such as printing business correspondence. Also suitable for workgroup/enterprise use.

@Head2Head Comparison

Make	Hewlett-Packard	
Model	Color LaserJet CP3525n	
Price	\$699.00	
Imaging	Laser	
Classification	A4 Color Printers From \$500 To \$750	
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 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, but duplexing is not (a "dn" version provides duplexing but at a higher price). Rated print speeds of up to 30 ppm (in B&W and color) and HP's Web Jetadmin make the printer a good choice for small/mid-size business use as well as enterprise use. Note the very low B&W consumables cost per page of just 3.5 cents, as many printers in this class will be used for producing significant B&W output as well as color output.



RATINGS SCOREBOARD Total Ratings Score 33.5

Supplies Cost Per Page

Black/Color	\$0.01838	\$0.13195	
Total Cost of Ownership (Black/Color/ Mixed)			
100 pages/month	\$809.28	\$1,490.68	\$1,026.05
500 pages/month	\$1,250.40	\$2,678.21	\$1,709.07
1,000 pages/month	\$1,801.80	\$8,615.83	\$4,032.41
3,000 pages/month	\$4,007.40	\$24,449.49	\$10,713.21
5,000 pages/month	\$6,213.00	\$40,283.14	\$17,394.02

Strengths

- Low B&W consumables' cost per page of 1.8 cents.
- 515 MHz Motorola Coldfire V5x CPU.
- Standard 256 MB of memory can be expanded to 1 GB.
- Easy Printer Care for monitoring the device.
- Capable Web Jetadmin network management.
- Color Access Control enables administrators to specify which users can print in color.
- IPSec and IPv6 security protocols.
- 10/100/1000 (Gigabit) BASE-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.
- PostScript 3 print driver.

Limitations

- Wirth Consulting has determined that this device does not have any notable limitations and should provide good functionality.

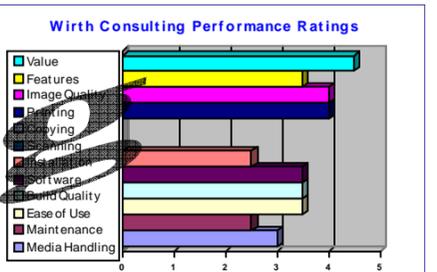
Best Use

Small/mid-size businesses, as well as enterprise use, for B&W printing and for business-color applications, such as printing business correspondence. Also suitable for workgroup/enterprise use.

@Head2Head Comparison

Make	Konica Minolta	
Model	magicolor 4650DN	
Price	\$648.99	
Imaging	Laser	
Classification	A4 Color Printers From \$500 To \$750	
Resolution (dpi)	9,600x600	Network Scan <input type="checkbox"/>
BW/Color Print Speed (ppm)	25/25	Color Scan <input type="checkbox"/>
Monthly Duty Cycle (pages)	90,000	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 checked="" type="checkbox"/>

As with most major printers, the magicolor 4650DN's controller is based on Konica Minolta's productive Emperon print technology. While this desktop color-laser printer fits the bill for small/mid-size businesses that require color printing as well as low B&W cost per page, Konica Minolta has included various provisions for color graphics and proofing applications. These include PANTONE color tables and press emulations. It also features a Gigabit Ethernet network interface for faster transmission of data across the network.



RATINGS SCOREBOARD Total Ratings Score 34.5

Supplies Cost Per Page

Black/Color	\$0.02102	\$0.08092
Total Cost of Ownership (Black/Color/ Mixed)		