
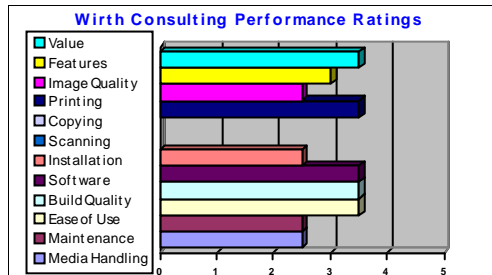


Head2Head Comparison

Make	Brother	
Model	HL-4040CDN	
Price	\$399.00	
Imaging	Laser	
Classification	Color Laser Printers With Duplex Under \$500	
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)	35,000	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 checked="" type="checkbox"/>
Walk-Up Fax <input type="checkbox"/>	Touch Screen <input type="checkbox"/>	USB 2.0 Port <input checked="" type="checkbox"/>

Brother recently launched the HL-4040CDN in December 2008. This desktop color laser printer with standard networking replaces Brother's HL-4040CN but adds duplexing. Pricing remains the same at \$399. It has a low B&W consumables' cost per page of 2.5 cents and low color consumables' cost of 7.2 cents compared to other B2B printers in this class. It features both wired and wireless networking for sharing, as well as printing from memory cards and printing from PictBridge-digital cameras.



RATINGS SCOREBOARD	Total Ratings Score	30.5
Black/Color Cost Per Page	\$0.02568	\$0.08627
Total Cost of Ownership (Black/Color/ Mixed)		
100 pages/month	\$537.61	\$901.12
500 pages/month	\$1,092.06	\$2,909.61
1,000 pages/month	\$1,939.93	\$5,575.03
3,000 pages/month	\$5,021.78	\$15,927.08
5,000 pages/month	\$8,103.64	\$26,279.14

Strengths

- Low B&W and color consumables' cost per page of 2.5 and 8.3 cents respectively.
- 10/100BASE-TX Ethernet network interface and wireless print server.
- USB port for printing from memory cards; direct printing of photos captured with PictBridge-compatible digital cameras.
- Supports Microsoft Windows, Apple Macintosh and Linux environments.
- Standard 64 MB of memory can be expanded to 512 MB.
- 300 MHz CPU.
- BRAdmin Light, BRAdmin Professional and Web BRAdmin for Web-based network management.

Limitations

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

Notes

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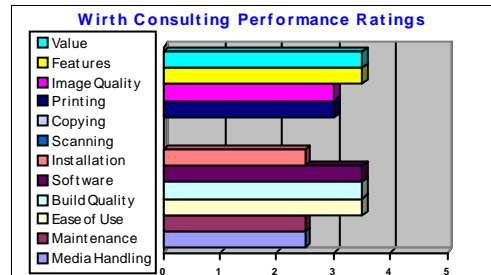
Best Use

Small/mid-size business use (as well as home use), including B&W text applications (with duplex capability), as well as for business-color applications such as printing Microsoft PowerPoint presentations and business correspondence.

Head2Head Comparison

Make	Brother	
Model	HL-4070CDW	
Price	\$499.00	
Imaging	Laser	
Classification	Color Laser Printers With Duplex Under \$500	
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)	35,000	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"/>

Brother's HL-4070CDW desktop color-laser printer with networking and duplexing is similar to the company's HL-4040CDN, but adds a PostScript emulation 3 print driver, and can be equipped with an optional 500-sheet drawer for a maximum paper capacity of 800 sheets. As with the HL-4040CDN, the HL-7040CDW has a low B&W and color consumables' cost per page of 2.5 and 8.3 cents respectively. This means both printers will have a significantly lower Total Cost of Ownership than similarly priced printers.



RATINGS SCOREBOARD	Total Ratings Score	31.0
Black/Color Cost Per Page	\$0.02576	\$0.08637
Total Cost of Ownership (Black/Color/ Mixed)		
100 pages/month	\$637.97	\$1,001.60
500 pages/month	\$1,193.86	\$3,012.01
1,000 pages/month	\$2,044.72	\$5,681.00
3,000 pages/month	\$5,136.15	\$16,045.65
5,000 pages/month	\$8,227.51	\$26,409.02

Strengths

- PostScript 3 emulation print driver.
- Maximum paper capacity of 800 sheets.
- Low B&W and color consumables' cost per page of 2.5 and 8.3 cents respectively.
- 10/100BaseTX Ethernet network interface and wireless print server.
- USB drive for printing from memory cards; direct printing of photos captured with PictBridge-compatible digital cameras.
- Supports Microsoft Windows, Apple Macintosh and Linux environments.
- Standard 64 MB of memory can be expanded to 576 MB.
- 300 MHz CPU.
- BRAdmin Light, BRAdmin Professional and Web BRAdmin for Web-based network management.

Limitations

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


Notes

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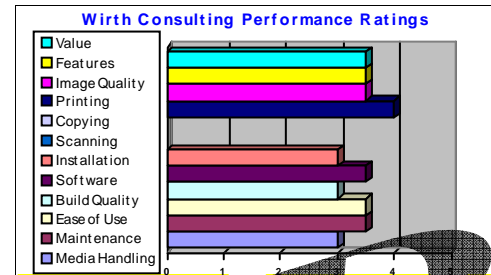
Best Use

Small/mid-size business use (as well as home use), including B&W text applications (with duplex capability), as well as for business-color applications such as printing Microsoft PowerPoint presentations and business correspondence. PostScript 3 driver will be useful in businesses that have more advanced graphics applications, or need to proof documents to be printed on higher-end devices.

Head2Head Comparison

Make	Hewlett-Packard	
Model	Color LaserJet CP2025dn	
Price	\$499.00	
Imaging	Laser	
Classification	Color Laser Printers With Duplex Under \$500	
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 checked="" type="checkbox"/>

HP launched the Color LaserJet CP2025dn in September 2008. This desktop color-laser printer, with standard networking and duplexing, features PCL and PostScript 3 emulation print drivers, as well as HP's Universal Print Driver, the last of which enables printing to multiple HP printers and MFPs. Price for the Color LaserJet CP2025dn is \$499.99; however, price as of publication is \$399.99 at HP.com with rebate. Standard shipping is also free at HP.com. Users of the Color LaserJet CP2025dn can expect exceptional ease-of-use and software that have been the hallmarks of HP LaserJet printers.



RATINGS SCOREBOARD	Total Ratings Score	34.0
Black/Color Cost Per Page	\$0.02500	\$0.15463
Total Cost of Ownership (Black/Color/ Mixed)		
100 pages/month	\$648.99	\$1,426.78
500 pages/month	\$1,248.96	\$2,818.46
1,000 pages/month	\$1,998.91	\$9,776.84
3,000 pages/month	\$4,998.74	\$28,372.53
5,000 pages/month	\$7,998.57	\$46,888.21

Strengths

- Low B&W consumables' cost per page of 2.5 cents.
- Color lock-out capability enables administrators to prevent designated users from printing in color.
- 540 MHz Motorola Coldfire V5x CPU.
- HP ImageREt 3600 technology for enhanced image quality.
- 10/100BASE-TX Ethernet network interface, and optional wireless print server.
- PostScript emulation 3 print driver, HP Universal Print driver.
- Uses all-in-one toner cartridge--no need to replace separate toner cartridges and image drums.
- Supports Microsoft Windows, Apple Mac and Linux environments.
- Easy Printer Care for managing HP printers on the network.
- Capable Web Jetadmin network management.
- HP Print View Software for creating and printing brochures, fliers, mailers, etc., and In-house Marketing Starter Kit.

Limitations

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


Notes

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

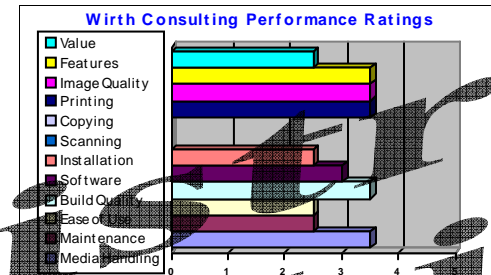
Best Use

Small/mid-size business and enterprise use (as well as home use), including B&W text applications (with duplex capability), as well as for business-color applications such as printing Microsoft PowerPoint presentations and business correspondence. PostScript 3 driver is useful in businesses that have more advanced graphics applications, or need to proof documents that will be printed on higher-end devices.

Head2Head Comparison

Make	Konica Minolta	
Model	magicolor 1650EN	
Price	\$329.00	
Imaging	Laser	
Classification	Color Laser Printers With Duplex Under \$500	
Resolution (dpi)	9,600x600	Network Scan <input type="checkbox"/>
BW/Color Print Speed (ppm)	20/5	Color Scan <input type="checkbox"/>
Monthly Duty Cycle (pages)	35,000	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 magicolor 1650EN's controller incorporates Konica Minolta's Emperon technology, which Wirth Consulting has found to be very productive. While this desktop color-laser printer with networking will be suitable for business B&W applications, it is equipped with color-matching and press-emulation software, making it suitable for proofing graphics color output before printing on higher-end printing systems. Duplexing is optional (\$139), but total pricing with duplexing is still under \$500.



RATINGS SCOREBOARD	Total Ratings Score	30.5
Black/Color Cost Per Page	\$0.04878	\$0.15856
Total Cost of Ownership (Black/Color/ Mixed)		
100 pages/month	\$684.18	\$1,315.26
500 pages/month	\$1,714.88	\$5,260.28
1,000 pages/month	\$3,231.56	\$10,322.36
3,000 pages/month	\$9,036.58	\$30,509.08
5,000 pages/month	\$14,841.80	\$50,295.80

Strengths

- PostScript 3 emulation print driver.
- Supports Microsoft Windows, Apple Mac and Linux environments.
- Capable PageScope network management and broad array of PageScope tools and Plug-Ins (HP Web Jetadmin-compatible).
- 10/100BASE-TX Ethernet network interface.
- The printer is notably compact and light weight, measuring 15.6" wide x 15" deep x 10.9" high, and weighing 33 lbs.
- 400 MHz CPU.
- Status Monitor software utility enables users to quickly check device status.
- For color-printing and proofing applications, Konica Minolta provides ICC device profiles: automatic ICC-based color matching; and SWOP, Commercial EuroColor, DIC and TOYO press emulations.

Limitations

- High B&W and color consumables' cost per page of 4.8 and 17.1 cents respectively.
- Drum unit is priced at \$99 and is rated to yield 45,000 B&W or 11,250 color pages.
- In the "Consumables Pricing and Yields" chart above, "Other Type" refers to the drum unit (\$99), which is rated to yield 45,000 B&W.


Notes

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

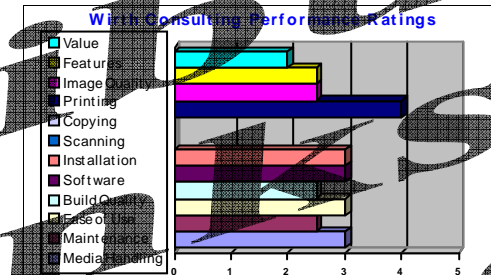
Best Use

Small/mid-size business and enterprise use (as well as home use), including B&W text applications (with duplex capability), as well as for business-color applications such as printing Microsoft PowerPoint presentations and business correspondence. Also suitable for color-proofing applications.

Head2Head Comparison

Make	Lexmark	
Model	C543DN	
Price	\$399.00	
Imaging	Laser	
Classification	Color Laser Printers With Duplex Under \$500	
Resolution (dpi)	1,200x1,200	Network Scan <input type="checkbox"/>
BW/Color Print Speed (ppm)	21/20	Color Scan <input type="checkbox"/>
Monthly Duty Cycle (pages)	35,000	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"/>

Lexmark launched this desktop color-laser printer, which is based on a new print engine, in October 2008. While a 10/100BASE-TX network interface is standard, it can be equipped with a wireless print server. This wireless print server is Wi-Fi CERTIFIED for 802.11n draft 2.0. The new standard provides for a longer distance range between computer workstation and printer, and faster wireless-transfer rates. Duplexing is standard, and maximum paper capacity is a generous 900 sheets.



RATINGS SCOREBOARD	Total Ratings Score	26.0
Black/Color Cost Per Page	\$0.05633	\$0.25583
Total Cost of Ownership (Black/Color/ Mixed)		
100 pages/month	\$737.00	\$1,334.00
500 pages/month	\$2,889.00	\$4,236.50
1,000 pages/month	\$5,779.00	\$15,749.00
3,000 pages/month	\$10,539.00	\$46,449.00
5,000 pages/month	\$17,299.00	\$77,149.00

Strengths

- PANTONE color matching.
- PostScript 3 emulation print driver.
- 417 MHz CPU.
- Supports Microsoft Windows, Apple Mac and Linux.
- Standard 128 MB memory can be expanded to 640 MB.
- Paper capacity can be expanded to 900 sheets.
- 10/100BASE-TX Ethernet network interface.
- Optional Gigabit Ethernet network interface and wireless print server.
- Page-Coverage Estimator software.
- Toolbox provides automatic scheduled printing of Web pages.
- Capable MarkVision network management.
- Smart Panel software enables clients to quickly monitor device status, as well as receive automatic alerts.

Limitations

- High B&W and color consumables' cost per page of 5.6 cents and 25.5 cents respectively.
- Lexmark says the printer's 1,200x1,200 dpi is "true," not enhanced resolution.


Notes

NOTE: CYMK Image Unit includes a photoconductor unit, and one each of the photodeveloper unit for CYMK.

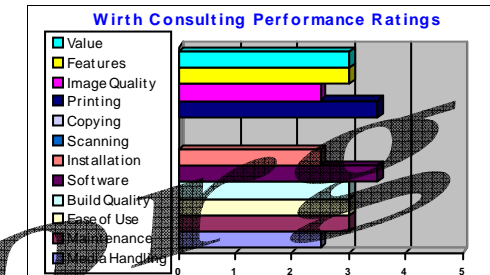
Best Use

Small/mid-size business use (as well as home use), including B&W text applications (with duplex capability), as well as for business-color applications such as printing Microsoft PowerPoint presentations and business correspondence. Also, its PANTONE color-matching makes it suitable for some color-proofing applications.

Head2Head Comparison

Make	Samsung Electronics	
Model	CLP-610ND	
Price	\$399.00	
Imaging	Laser	
Classification	Color Laser Printers With Duplex Under \$500	
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)	65,000	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"/>

Samsung Electronics America has only recently begun focusing on the B2B market, so it is not widely known as a B2B printer or MFP vendor. Nevertheless, it makes solid products, many of which it OEMs to third parties such as Lexmark, International Brother Corporation, and then brands and markets products under their own name. The CLP-610ND is a desktop color-laser printer with networking and duplexing, and features a maximum paper capacity of up to 800 sheets for longer uninterrupted operation.



RATINGS SCOREBOARD	Total Ratings Score	29.5
Black/Color Cost Per Page	\$0.02300	\$0.09719
Total Cost of Ownership (Black/Color/ Mixed)		
100 pages/month	\$536.99	\$982.15
500 pages/month	\$1,088.94	\$1,856.88
1,000 pages/month	\$1,778.88	\$6,230.52
3,000 pages/month	\$4,538.64	\$17,893.56
5,000 pages/month	\$7,298.39	\$29,556.59

Strengths

- Low B&W consumables' cost per page and color consumables' cost per page of 2.3 and 9.7 cents respectively.
- Post Script 3 emulation print driver.
- 360 MHz CPU.
- 10/100BASE-TX Ethernet network interface.
- Supports Microsoft Windows, Apple Mac and Linux.
- Standard 128 MB can be expanded to up to 384 MB.
- Capable SyncThru Web Admin network management.
- Smart Panel software enables clients to quickly monitor device status, as well as receive automatic alerts.

Limitations

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

Notes

NOTE: 2,400x600 dpi is enhanced resolution.

Best Use

Small/mid-size business use (as well as home use), including B&W text applications (with duplex capability), as well as for business-color applications such as printing Microsoft PowerPoint presentations and business correspondence.