

# HL-4040CN / HL-4050CDN Specifications



<b>General</b>	
<b>Technology</b>	Electrophotographic (Single-pass)
<b>Print Speed (Mono/Colour)</b>	Up to 20ppm / 21ppm (A4/Letter)
<b>Duplex Print Speed (Mono/Colour)</b>	Up to 7 ppm (3.5 sheets per minute) (A4) (Only applicable to HL-4050CDN)
<b>Warm Up Time</b>	Less than 33 secs (from Sleep Mode)
<b>First Print Out Time</b>	Less than 16 secs / Less than 17 secs (Mono/Colour)
<b>Resolution</b>	600 x 600 dpi, 2,400 dpi (2,400 x 600) quality
<b>Controller</b>	
<b>Processor</b>	300MHz
<b>Memory Capacity</b>	64MB (Expandable up to 576MB)
<b>Interface</b>	Hi-Speed USB 2.0, Parallel IEEE1284 (Only applicable to HL-4050CDN)
<b>Network (Built-in)</b>	Ethernet 10/100 Base-TX
<b>Network Management Tools</b>	BRAdmin Professional – Brother original Windows® Utility for printer and print server management Web BRAdmin – Server based management utility / Windows® IIS (4.0/5.0) mode only Web Based Management – Printer and print server management through web browser BRAdmin Light – Printer and print server management operates under Windows® and Mac OS® X 10.2.4 or greater
<b>Network Security</b>	SSL (Secure Socket Layer)
<b>Protocols</b>	TCP/IP (IPv4) ARP, RARP, BOOTP, DHCP, APIPA(Auto IP), WINS, NetBIOS name resolution, DNS Resolver, mDNS, LPR/LPD, Custom Raw Port/Port9100, SMB Print, IPP, IPPS, FTP Server, SSL/TLS, POP before SMTP, SMTP-AUTH, TELNET, SNMPv1, HTTP/HTTPS server, TFTP client and server, SMTP Client, APOP, LLTD responder TCP/IP (IPv6) NDP, RA, DNS, mDNS, LPR/LPD, Custom Raw Port/Port9100, IPP, IPPS, FTP Server, SSL/TLS, POP before SMTP, SMTP-AUTH, TELNET, SNMPv1, HTTP/HTTPS server, TFTP client and server, SMTP Client, APOP, LLTD responder
<b>Emulation</b>	PCL®6 (HL-4040CN, HL-4050CDN) / BR-Script 3 (Only HL-4050CDN)
<b>Resident Fonts</b>	PCL®6 – 66 scalable fonts, 12 bitmap fonts, 13 barcodes / BR-Script 3 – 66 fonts
<b>Control Panel</b>	
<b>Display</b>	3-colour backlit LCD display with 2-lines, 16 characters 2 LEDs (Data & Direct Print)
<b>Buttons</b>	+, -, Back, OK, Go, Cancel, Direct Print, Reprint
<b>USB Direct Interface</b>	
<b>PictBridge</b>	Yes
<b>USB Direct Print</b>	Yes
<b>File Formats</b>	PDF ver. 1.6, JPEG, Exif+JPEG, PRN, TIFF
<b>Paper Handling</b>	
<b>Paper Input Capacity</b>	Standard Paper Tray – 250 sheets (plain) Multi-Purpose Tray – 50 sheets (plain) / 3 sheets (envelope) Optional Tray – 500 sheets (Available for HL-4050CDN only)
<b>Paper Output Capacity</b>	150 sheet (face down)
<b>Media Specifications</b>	
<b>Media Types</b>	Standard Paper Tray – Plain, Recycled Paper Multi-Purpose Tray – Plain, Thick Paper, Recycled Paper, Bond, Label, Envelope Optional Tray – Plain, Recycled Paper (Available for HL-4050CDN only) Duplex - Plain, Recycled, Thin Paper (Available for HL-4050CDN only)
<b>Media Weights</b>	Standard Paper Tray – 60 to 105g/m <sup>2</sup> (16 to 28lb) Multi-Purpose Tray – 60 to 163g/m <sup>2</sup> (16 to 43lb) Optional Tray – 60 to 105g/m <sup>2</sup> (16 to 28lb) (Available for HL-4050CDN only) Duplex - 60 to 105g/m <sup>2</sup> (16 to 28lb) (Available for HL-4050CDN only)
<b>Media Sizes</b>	Standard Paper Tray – A4, Letter, ISOB5, A5, ISOB6, A6, Executive, Legal, Folio Multi-Purpose Tray – Width 69.9mm to 215.9mm, Length 116mm to 406.4mm Optional Tray – A4, Letter, ISOB5, A5, ISOB6, Executive, Legal, Folio (Available for HL-4050CDN only) Duplex - A4, A4 Long, Letter, Legal, Folio (Available for HL-4050CDN only)
<b>Software</b>	
<b>Printer Driver Support</b>	Host-based for Windows® 2000 Professional, XP Home Edition, XP Professional (XP Professional & x64 Edition), Windows Vista™, Windows Server® 2003 (32-bit & x64 Edition) Macintosh printer driver for Mac OS® X 10.2.4 or greater Linux printer driver for CUPS & LPD/LPRng printing system (x86 & x64 environment)
<b>Printer Driver Features</b>	N-up Printing – Compress up to 2, 4, 9, 16 or 25 pages onto one single sheet Poster Printing – Enlarge an image to print on 2x2, 3x3, 4x4 or 5x5 onto a single sheet Watermark Printing Booklet Printing – Manual duplex option available (HL-4040CN) / Automatic duplex option available (HL-4050CDN) Secure Print Reprint
<b>Utilities</b>	Colour restriction & colour control tools from printer driver Driver Deployment Wizard – Guides you through the steps of installing a Brother network printer on a networked Windows® PC
<b>Web Download Utilities</b>	<a href="http://solutions.brother.com">http://solutions.brother.com</a> See above list of Network Management Tools
<b>Dimensions/Weight</b>	
<b>Dimensions</b>	419(W) x 475 (D) x 317(H) mm
<b>Weight</b>	Approx. 29.1kg
<b>Others</b>	
<b>Power Consumption</b>	Printing - Average 510W Standby - Average 85W Sleep - Average 20W
<b>Noise Level</b>	Printing Mode: Less than 54dBA Standby Mode: Less than 30dBA
<b>Ecology</b>	Power Save & Toner Save modes

## Minimum System Requirements

Computer Disk	Platform & Operating System	Interface	Minimum Processor	Recommended RAM	Required Hard Space
Windows®	Windows® 2000 Professional	USB, Ethernet	Intel® Pentium® or equivalent	128 MB	50 MB
	Windows® XP Home, Windows® XP Professional			256MB	
	Windows Vista™		Intel® Pentium® 4 or equivalent 64-bit CPU	1 GB	
	Windows Server® 2003	Ethernet	Intel® Pentium® III or equivalent	512 MB	
	Windows® XP Professional x64 Edition	USB, Ethernet	AMD Opteron™, AMD Athlon™ 64, Intel® Xeon® with Intel® EM64T, Intel® Pentium® 4 with Intel® EM64T or equivalent	384MB	
Windows Server® 2003 X64 Edition	Ethernet		512MB		
Macintosh®	Mac OS® X 10.2.4 or greater	USB, Ethernet	PowerPC G4/G5, Intel® Core™ Solo/Duo, PowerPC G3 350MHz	160 MB	50 MB



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Consumables & Accessories	Model No.	Page Yield* (Approx.)
Standard Toner Black	TN-150BK	2,500 pages
Standard Toner Colour (C,M,Y)	TN-150C, TN-150M, TN-150Y	1,500 pages
High Yield Toner Black	TN-155BK	5,000 pages
High Yield Toner Colour (C,M,Y)	TN-155C, TN-155M, TN-155Y	4,000 pages
Drum	DR-150CL	17,000 pages (one page per job)
Belt Unit	BU-100CL	50,000 pages
Waste Toner Box	WT-100CL	20,000 pages <sup>2</sup>
Optional Lower Tray <sup>4</sup>	LT-100CL	500 pages (paper capacity)

As a precaution, please note that your machine warranty may not cover any damages arising from the use of non-genuine Brother consumables.

<sup>1</sup> Third Party USB ports are not supported.  
<sup>2</sup> Based on A4 plain paper printing at 5% coverage.  
<sup>3</sup> Based on A4 plain paper printer at 5% coverage per C/M/Y/K toner.  
<sup>4</sup> Optional Lower Tray available for HL-4050CDN only.



# HL-4040CN HL-4050CDN

Network Ready Colour Laser Printers

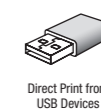
## MAXIMISE YOUR BUSINESS POTENTIAL

With Smart Network Colour Laser Print Solutions



HL-4040CN

HL-4050CDN  
Automatic Duplex



# Maximise Your Business Potential

## With Smart Network and Colour Laser Print Solutions

Regardless of which industry you are in, reliable and efficient printers that can perform both colour and monochrome printing easily are essential to any business. With high-speed colour printing and auto-duplex functionality\*, not only do the new Brother HL-4040CN and HL-4050CDN save you time and effort, they also maximise your company resources, setting you on the path to success.

Producing full-coloured high quality printouts quickly and easily, the HL-4040CN and HL-4050CDN also boast a compact design and a breadth of connectivity and networking options, adding to Brother's portfolio of intelligent solutions designed to fulfil your office printing needs.



**HL-4040CN**  
**HL-4050CDN**  
Network Ready Colour Laser Printers

### High-Speed Printing Matched By Brilliant Colour Quality

At a print speed of up to 20 pages per minute (A4), the HL-4040CN and HL-4050CDN give you excellent print quality of up to 2400 x 600 dpi, with high levels of contrast and clarity. Printing of your colour documents is not only fast, they are guaranteed to leave a lasting impression on your business associates.



### Automatic Duplex Printing\*

Maximise your resources with the HL-4050CDN's built-in duplex function. This feature lets you produce professional looking double-sided reports quickly and easily without compromising on print speed. Double-sided booklet printing option also allows you to print your 24 page document on 6 sheets (A5, doubled-sided) rather than on 24 one-sided sheets, reducing paper wastage by 75%.

### Sleep Time

Save power by manually setting the sleep time of your printer on the printer driver, or select 'auto' to let the printer's intelligent sleep function analyse the printing frequency and time to determine the most appropriate time to activate sleep mode.

### Toner Save Function

You can select Toner Save Mode for printing draft documents, so as to reduce toner usage for non-important printouts.

### Productivity Gains

Designed to give you high yield outputs, Brother's separate CMKY toners and drum help further increase your office productivity by allowing you to continue with monochrome printing when any of the cyan, magenta or yellow toner cartridges runs low or is empty.

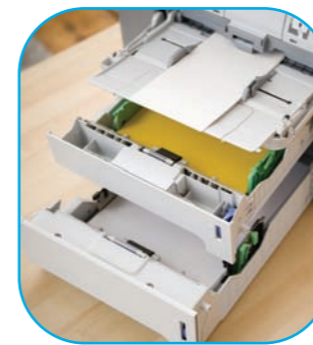
\*Automatic duplex printing is only available with the HL-4050CDN.

### Easy Network Integration

Both the HL-4040CN and HL-4050CDN are equipped with an integrated 10/100 Base-TX Ethernet Card for seamless integration with your existing IT infrastructure. Connecting the printer to a LAN environment lets you share the printing function with your work team.

### Full Frontal Operation

The HL-4040CN and HL-4050CDN are designed for full frontal operation. This means that changing of consumables and loading of paper are all done through the front of the printer, giving you a greater level of convenience.



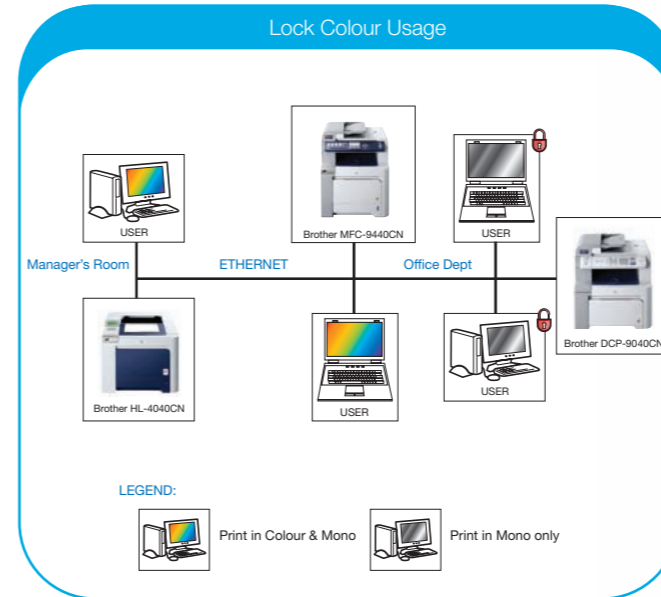
Paper Input Trays



Toners & Drum

### Lock Colour Usage

The Lock Colour Usage feature in both the HL-4040CN and HL-4050CDN allows administrators to prevent unauthorised colour printing.



### Effortless Management with the Embedded Web Server

Manage your printer using the Embedded Web Server (EWS), which can be accessed from any web browser. EWS has the following features:

- Auto-detect all Brother printers on the local LAN.
- Dynamically change printer and print server settings (including paper settings, power save settings).
- Custom email notifications to alert when toner levels are running low or when print job errors require rectification.

### Print Directly from USB or PictBridge Compatible Cameras

The built-in USB interface lets you send files# for printing directly from USB media devices like portable hard disks and flash thumb drives. The printers' PictBridge compatibility means you can also send photos from your digital camera to the printers for direct printing.

# Direct Print supports the following file formats - PDF ver. 1.6, JPEG, Exit-JPEG, PPN and TIFF.



Connect and print photos directly from your PictBridge-enabled camera

