

# HL- L9310CDW

brother  
at your side

## Brother COLOUR LASER PRINTER

Professional colour laser printing, that can grow as your business grows

Print

Built for demanding office environments, the HL-L9310CDW is designed to be robust and packed full of business features.

With security a key requirement in today's offices, this model features built-in NFC connectivity to ensure that all your documents are safe and secure. Together with the advanced paper handling capabilities, you no longer need to regularly spend time refilling paper trays.



### Key Features:

Fast print speeds of up to 31ppm colour and mono

Paper input of up to 300 sheets

Maximum paper input of up to 2,380 sheets

Automatic 2-Sided Printing

Optional ultra high-yield replacement cartridges 9,000 black, cyan, magenta and yellow toner cartridges

Built-in Ethernet 10Base-T/100Base-TX/1000Base-T

Integrated NFC

Reader

Intuitive 6.8cm colour touchscreen

### Increase productivity levels

- Productivity is increased significantly thanks to the fast print speeds of up to 31ppm in colour and mono.
- Maximise your efficiency with built-in wireless IEEE 802.11b/g/n and ethernet 10Base-T/100Base-TX/1000Base-T.
- Easily print from your mobile device, using Brother's iPrint&Scan, Brother print service plugin for Android, Google Cloud Print 2.0, Mopria and AirPrint.
- Outstanding paper handling options with a standard paper capacity of 300 sheets expandable to 2,380 sheets.

### Meeting security challenges

- Modern businesses demand the highest levels of security. With Secure Function Lock 3.0, Active Directory Authentication, IPsec, 802.1x and Secure Print, you can be confident that your documents are safe.

### Flexible and low running costs

- Designed for high volume printing environments, the HL-L9310CDW includes a 6,500 page black, cyan, magenta and yellow toners, and can take optional ultra high-yield cartridges of 9,000 page black, cyan, magenta and yellow toners to lower your running costs even further.

DATASHEET

## General

<b>Technology</b>	Electrophotographic Laser Printer
<b>Laser Classification</b>	Class 1 Laser Product (IEC60825-1:2007)
<b>Processor</b>	800MHz - Sub:133MHz
<b>Print Speed Standard (A4)</b>	Up to 31ppm (pages per minute) colour & mono
<b>Print Speed 2-Sided (A4)</b>	Up to 14 sides per minute (7 sheets per minute) colour & mono
<b>Resolution</b>	2,400dpi (2,400 x 600dpi), 600 x 600dpi
<b>Quiet Mode</b>	A mode to reduce the printing noise by reducing the print speed to 15ppm
<b>Memory</b>	1GB
<b>Local Interface</b>	Hi-Speed USB 2.0 & 2 x USB Host
<b>Wired Network Interface</b>	Ethernet 10Base-T/100Base-TX/1000Base-T
<b>Wireless Network Interface</b>	IEEE 802.11b/g/n
<b>Display</b>	6.8cm Colour Touchscreen
<b>FPOT (First Print Out Time)</b>	Less than 15 seconds colour & mono from ready mode
<b>Warm-Up Time</b>	Less than 29 seconds from sleep mode
<b>Print Languages</b>	PCL6, BR-Script3 (PostScript <sup>®</sup> 3™ Language Emulation), PDF 1.7, XPS
<b>Embedded Fonts (PCL)</b>	66 scalable fonts, 12 bitmap fonts, 16 barcodes
<b>Embedded Fonts (Postscript)</b>	66 scalable fonts
<b>Embedded Barcodes (PCL)</b>	Code39, Interleaved 2 of 5, FIM (US-PostNet), Post Net (US-PostNet), EAN-8, EAN-13, UPC-A, UPC-E, Codabar, ISBN (EAN), ISBN (UPC-E), Code128 (set A, set B, set C), EAN128 (set A, set B, set C), Code93, GS1Databar, MSI

## Printer Driver

<b>Windows<sup>®</sup></b>	Windows 10 <sup>®</sup> (32 & 64 bit editions) Windows 8 <sup>®</sup> (32 & 64 bit editions) Windows 7 <sup>®</sup> (32 & 64 bit editions) Windows <sup>®</sup> Server 2016, 2012, 2012R2 & 2008R2 Windows <sup>®</sup> Server 2008 (32 & 64 bit editions)
<b>Macintosh<sup>®</sup></b>	Mac OS 10.10.5, 10.11.x, 10.12.x
<b>Linux<sup>®</sup></b>	CUPS, LPD/LPRng (x86/x64 environment)
<b>PostScript Universal Printer Driver</b>	Driver for Windows <sup>®</sup> that enables you to print to any network or locally connected Brother laser printer that supports PostScript
<b>PCL Driver</b>	Generic PCL XL driver

## USB Host

<b>Direct Print</b>	Print directly from a USB flash memory drive. Supported file formats: PDF version 1.7, JPEG, Exif+JPEG, PRN (created by own printer driver), TIFF (scanned by Brother model), XPS version 1.0
<b>USB Input Port</b>	Rear USB port for use with an external NFC card reader

## NFC Reader

<b>Integrated NFC Reader</b>	Supports NFC cards for secure authentication and NFC supported mobile devices for direct printing
<b>External NFC Card Reader Support</b>	Support for external NFC readers via the rear USB port

<sup>1</sup> Approx declared yield value in accordance with ISO/IEC 19798

<sup>2</sup> Calculated with 80g/m<sup>2</sup> paper

<sup>3</sup> Windows<sup>®</sup> & Mac only

<sup>4</sup> Windows<sup>®</sup> only

<sup>5</sup> Optional download

<sup>6</sup> Must be web connected

<sup>7</sup> Maximum number of printed pages per month can be used to compare designed durability between like Brother products.

For maximum printer life, it is best to choose a printer with a duty cycle that far exceeds your print requirements

<sup>8</sup> Only a single sheet supported in the Multi Purpose Tray

## Printer Functions

<b>N-up Printing<sup>3</sup></b>	Reduce up to 2, 4, 9, 16 or 25 A4 pages into just one A4 page (Mac, up to 2, 4, 6, 9, or 16)
<b>Poster Printing<sup>4</sup></b>	Enlarge 1 A4 page into a poster using 4, 9, 16 or 25 A4 pages
<b>Watermark Printing<sup>4</sup></b>	Watermark your documents with predefined text or with your own user-defined messages
<b>ID Printing<sup>4</sup></b>	Add identification to your printed documents (date & time, short custom message or PC username)
<b>Manual 2-Sided Print<sup>4</sup></b>	Manual 2-sided printing (recommended for media not supported by automatic 2-sided print)
<b>Automatic 2-Sided Print</b>	Print on both sides of the paper automatically
<b>Booklet Printing<sup>4</sup></b>	Print documents in A5 booklet format using automatic or manual 2-sided print
<b>Print Profiles<sup>3</sup></b>	Store your favourite driver settings as profiles to easily recall them

## Standard Paper Handling

<b>Paper Input<sup>2</sup></b>	Lower Tray – 250 sheets Multi Purpose Tray – 50 sheets
<b>Paper Output<sup>2</sup></b>	Face Down - 150 sheets Face Up (Straight Paper Path) - 1 sheet

## Optional Paper Handling

<b>Paper Input<sup>2</sup></b>	250 Sheets (LT-330CL) 500 Sheets (LT-340CL) Maximum of 3 optional trays (LT-330CL) or maximum of 2 optional trays (LT-340CL and/or LT-330CL) 4 x 520 sheet tower tray (TT-4000 & TC-4000)
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## Paper Input Sensors

<b>Input</b>	Onscreen & optional email alerts notifying you when any of the paper input trays are nearly empty or empty
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## Media Specification

<b>Media Types &amp; Weights</b>	<b>Standard Tray</b> – plain, recycled, coloured and letterhead (between 60 - 105g/m <sup>2</sup> ) <b>Multi Purpose Tray</b> - plain, recycled, bond, coloured, letterhead and glossy <sup>8</sup> paper (between 60 -163g/m <sup>2</sup> ) <b>2-sided Print</b> - plain, recycled, coloured, letterhead and glossy <sup>8</sup> paper (between 60 - 105g/m <sup>2</sup> )
<b>Envelope &amp; Label Printing</b>	Yes, from the Multi Purpose Tray: support for 10 envelopes up to 10mm total thickness
<b>Media Sizes</b>	<b>Standard Tray</b> - A4, Letter, A5, A5 (Long Edge), A6, Executive, Legal, Folio, Mexico Legal <b>Multi Purpose Tray</b> - Width: 76.2mm to 215.9mm x Length: 127mm to 355.6mm <b>2-sided Print</b> – A4

## Mobile / Web Based Printing

<b>iPrint&amp;Scan (Android)</b>	Print directly from a smart phone or tablet running the Android Operating System
<b>iPrint&amp;Scan (iPad / iPhone)</b>	Print directly from an iPad / iPhone
<b>iPrint&amp;Scan (Windows<sup>®</sup> Phone)</b>	Print directly from a smart phone running the Windows <sup>®</sup> Phone Operating System
<b>Print&amp;Scan (Windows<sup>®</sup> 8, 10 &amp; RT)</b>	Print directly from a Windows <sup>®</sup> 8, 10 or Windows RT Tablet
<b>Google Cloud Print 2.0</b>	Print most common file types from any Google Cloud Print enabled application
<b>Apple AirPrint</b>	Print most common file types from any Apple AirPrint enabled application
<b>Android Print Service Plugin</b>	Print from Android devices without a dedicated App
<b>Box<sup>6</sup></b>	Print from Box without using a PC
<b>Dropbox<sup>6</sup></b>	Print from Dropbox without using a PC
<b>Google Drive<sup>6</sup></b>	Print from Google Drive without using a PC
<b>OneDrive<sup>6</sup></b>	Print from Microsoft OneDrive without using a PC

## Network and Security

<b>Wired Network</b>	Built in Ethernet 10Base-T/100Base-TX/1000Base-T
<b>Wireless Network</b>	IEEE 802.11b/g/n (Infrastructure Mode / Adhoc Mode)
<b>Network Protocols</b>	TCP/IP (IPv4 and IPv6)
<b>IPv4</b>	ARP, RARP, BOOTP, DHCP, APIPA(Auto IP), WINS/NetBIOS name resolution, DNS Resolver, mDNS, LLMNR responder, LPR/LPD, Custom Raw Port/Port9100, IPP/IPPS, FTP Server, TELNET Server, HTTP/HTTPS server, TFTP client and server, SMTP Client, SNMPv1/v2c/v3, ICMP, Web Services (Print), CIFS client, SNTTP client, LDAP
<b>IPv6</b>	NDP, RA, DNS resolver, mDNS, LLMNR responder, LPR/LPD, Custom Raw Port/Port9100, IPP/IPPS, FTP Server, TELNET Server, HTTP/HTTPS server, TFTP client and server, SMTP Client, SNMPv1/v2c/v3, ICMPv6, Web Services (Print), CIFS Client, SNTTP Client, LDAP
<b>Wired Network Security</b>	SMTP-AUTH, SSL/TLS (IPPS, HTTPS, SMTP), SNMP v3, Kerberos, IPsec, 802.1x (EAP-MD5, EAP-FAST, PEAP, EAP-TLS, EAP-TTLS)
<b>Wireless Network Security</b>	WEP 64/128 bit, WPA-PSK (TKIP/AES), WPA2-PSK (TKIP/AES), SMTP-AUTH, SSL/TLS (IPPS, HTTPS, SMTP), SNMP v3, Kerberos, IPsec, 802.1x (LEAP, EAP-FAST, PEAP, EAP-TLS, EAP-TTLS)
<b>Wi-Fi Direct™</b>	Print wirelessly without having to go through a wireless access point (both automatic and manual methods supported)
<b>Wireless Setup Support</b>	Wi-Fi Protected Setup (WPS)
<b>Wireless Applications</b>	Vertical Pairing
<b>Print Log To Network<sup>4</sup></b>	Records printing activities from each individual user, including network username, name of document printed and number of pages, to a file on a network
<b>E-mail Notifications</b>	Automatically have the device send an E-mail to a nominated E-mail address when it requires attention
<b>E-mail Reports</b>	Receive usage reports on a regular basis via E-mail
<b>IP Filter</b>	Restrict which network users can or cannot access the device over the network (IPv4 only)
<b>Secure Function Lock 3.0</b>	Restrict access to individual or groups of users over a network. Can be used with PC User Login Names for up to 200 users
<b>Active Directory Authentication</b>	Retrieve stored print jobs using credentials from Active Directory
<b>LDAP Authentication</b>	Retrieve stored print jobs using credentials from an LDAP supported database
<b>Setting Lock</b>	Restrict access to the control panel
<b>Secure Print<sup>3</sup></b>	Protect print jobs with a 4 digit release code required at the device in order for them to be printed

## Fleet Management Tools

<b>Unattended Installer<sup>4</sup></b>	Ability to centrally deploy and customise our drivers and software
<b>MSI Installer<sup>4</sup></b>	Modular installers that can be distributed through Active Directory®
<b>Embedded Web Server</b>	Web based print management software embedded onto the device
<b>BRAdmin Professional<sup>3,4,5</sup></b>	LAN/WAN management software
<b>Driver Deployment Wizard<sup>4</sup></b>	Easily create print drivers for hassle free deployment over your network

## Developers

<b>Brother Solution Interface (BSI)</b>	Create powerful cloud and on premise solutions directly integrating the advanced print, scan and security capabilities of Brother scanners, printers and all in ones. For more information visit: <a href="http://www.brother.eu/developers">www.brother.eu/developers</a>
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## PrintSmart Solution (optional)

<b>PrintSmart CostControl</b>	Monitor and control printing costs for all Brother and 3rd party devices
<b>PrintSmart SecurePro</b>	Secure pull printing plus the benefits of PrintSmart CostControl

## Supplies & Accessories

<b>Inbox Toners</b>	Black Toner – 6,500 pages <sup>1</sup> Cyan, Magenta & Yellow Toners - 6,500 pages <sup>1</sup>
<b>Ultra High Yield Toners</b>	Black Toner (TN-910BK) 9,000 pages <sup>1</sup> Cyan Toner (TN-910C) 9,000 pages <sup>1</sup> Magenta Toner (TN-910M) 9,000 pages <sup>1</sup> Yellow Toner (TN-910Y) 9,000 pages <sup>1</sup>
<b>Other Supplies</b>	Drum (DR-421CL) Approx. 50,000 pages at 3 pages per job Approx. 30,000 pages at 1 page per job Belt (BU-330CL) Approx. 130,000 pages at 3 pages per job Approx. 50,000 pages at 1 page per job Waste Toner Box (WT-320CL) approx 50,000 pages
<b>LT-330CL</b>	Optional 250 Sheet Lower Paper Tray
<b>LT-340CL</b>	Optional 500 Sheet Lower Paper Tray
<b>CH-1000</b>	Card Reader Holder
<b>TT-4000</b>	Optional 4 x 520 sheets Tower Tray (TC-4000 also needed)
<b>TC-4000</b>	Needed to connect to the TT-4000
<b>Carton Contents</b>	Toner Cartridges, Drum, Belt, Waste Toner Box, Power Supply Cord, Driver Software For Windows®, Quick Set-Up Guide, PC Interface Cable NOT Included

The frequency of replacement consumables will vary depending on the complexity of the prints, the percentage of coverage, paper size, page per job, and the type of media. For example glossy coated paper will result in a shortened life of such supplies.

## Environment

<b>Power Consumption</b>	Printing - 580W, ready - 70W, sleep - 10.0W, deep sleep - 1.5W, power down - 0.03W
<b>TEC Value</b>	1.8kWh / Week
<b>Sound Pressure Level</b>	Printing - 49dBa, quiet mode printing - 44dBa, ready - inaudible
<b>Sound Power Level</b>	Printing - 6.56BA, quiet mode printing - 6.0, ready - inaudible
<b>Power Saving</b>	This enables the printer to consume less energy when not in use
<b>Toner Saving</b>	This reduces the toner usage and helps to reduce the total cost of printer ownership
<b>Energy Star</b>	Yes
<b>Blue Angel</b>	Yes
<b>Nordic Swan</b>	Yes

## Dimensions & Weight

<b>With Carton (WxDxH)</b>	642 x 603 x 578mm 26.8kg
<b>Without Carton (WxDxH)</b>	441 x 486 x 313mm 22.2kg

## Duty Cycles

<b>Recommended Monthly</b>	Up to 6,000 Pages monthly print volume
<b>Maximum Monthly<sup>7</sup></b>	Up to 80,000 pages monthly print volume

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### Working with you for a better environment

At Brother, our green initiative is simple. We strive to take responsibility, act respectfully and try to make a positive difference to help build a society where sustainable development can be achieved. We call this approach Brother Earth.

[www.brotherearth.com](http://www.brotherearth.com)