

## High Speed Network Colour Laser Printer



- Up to 22ppm colour & monochrome printing
- Up to 2,400 x 600dpi resolution (2,400dpi class)
- Hi-Speed USB 2.0 & Network 10/100 Base-TX
- 802.1x LAN security for Network Access Control
- 128MB memory as standard (expandable up to 384MB)
- PCL6, BR-Script3 (Postscript<sup>®</sup> 3 language emulation)
- Windows<sup>®</sup>, Citrix<sup>®</sup>, Mac<sup>®</sup>, DOS & Linux compatible
- 400MHz processor
- 250 sheet standard lower paper tray & 50 sheet multi-purpose tray
- First print out in less than 16 seconds colour & mono (from Ready mode)
- 1.46 kWh / Week TEC Value & 0.9W average sleep power
- Supplied with standard yield 2,500 page mono toner & 1,500 page colour toners\*  
For further in toner availability – see supplies
- 25,000 page combined drum (one page per job)

## General

Technology	Electrophotographic laser printer (single pass)
Processor	400MHz (StarSaphire (SS1000))
Print speed	22 pages per minute colour & mono
Resolution	Up to 2,400 x 600dpi resolution (2,400dpi class)
Local interface	Hi-Speed USB 2.0
Wired network interface	Built in 10/100 Base-TX Network
Memory	128MB (expandable up to 384MB, using industry standard 1 x DDR2 (144 PIN) slot)
First print out time	Less than 16 seconds (from ready mode)
Warm up time	Less than 31 seconds (from sleep mode)
Print language	PCL6, BR-Script3 (Postscript 3 Language Emulation)
Residential PCL fonts	66 scalable fonts, 12 bitmap fonts, 13 bar codes
Residential BR-Script3 fonts	66 scalable fonts

## Control Panel

LCD display	2-line, 16 characters backlit green
LED's	Data LED (green) & error LED (orange)
Buttons	There are 7 buttons, +, -, OK, Back, Secure Print, Go, Cancel

## Printer Driver

Windows*	Windows 7* (32 & 64 bit editions), Windows Vista* (32 & 64 bit editions), Windows XP Home Edition, Windows XP Professional (32 & 64 bit editions), Windows* 2000 Professional, Windows Server* 2003 (Network only / 32 bit & 64 bit editions), Windows Server* 2008 (Network only / 32 bit & 64 editions), Windows Server* 2008 R2 (Network only), Windows* Terminal Services 2003 & 2008, Citrix Presentation Server*, Citrix XenApp*
Apple Macintosh*	Mac OS X 10.4.11, 10.5.x, 10.6.x
Linux***	CUPS printing system(x86, x64 environment), Linux printer driver for LPD/LPRng printing system(x86, x64 environment).

## USB Direct Interface

Direct print	Print directly from a USB Flash Memory Drive
Supported file formats	PDF version1.7, JPEG, Exif + JPEG, PRN (created by HL-4150CDN series printer driver), TIFF (scanned by Brother model), XPS version 1.0

## Printer Driver Features

N-up printing	Save paper reducing 2, 4, 9, 16 or 25 A4 pages to 1 A4 page
Poster printing†	Enlarge 1 A4 page into a poster using 4, 9, 16 or 25 A4 pages for a bigger impact
Header & footer print†	Print the time & date &/or the user ID on the documents
Watermark printing†	Add predefined text or user-defined messages to your documents as a watermark
Booklet printing†	Print easy-to-read, professional documents in A5 booklet format using automatic duplex
Secure print††	Protect your print jobs with a PIN number
Colour control tool	Edit the colour settings in the printer driver to get more accurate colours

## Security Features

Setting lock	Lock down the control panel to stop unwanted user access
Colour restrict	Colour restriction tool from printer driver
Secure function lock v2	Configure individual access restrictions by user and by function
Secure printing with SSL	IPP based encryption, already widely used in e-commerce to protect financial & sensitive information
IP filter	MAC address based access restriction
802.1x	LAN Security [Network Access Control]

## Network Management Utilities

Web based management	Web browser print server management
BRAdmin Light	For setup & small LAN management
BRAdmin Professional 3***	For LAN / WAN management using a Windows* PC
Web BRAdmin***	Server based management utility for your printer fleet / Windows* IIS (4.0/ 5.0/5.1/6.0/7.0/7.5) modes only
BRPrint Auditor***	For basic local (USB) device status and usage monitoring
E-mail reports	Reports containing basic usage data sent to a nominated e-mail address on a cyclical basis
Print log	User level usage data recorded to either a text or csv file direct to a network folder
E-mail notifications	Alerts sent to a nominated e-mail address when anything which can disrupt printing activity occurs
Driver Deployment Wizard***	A quick & easy way to deploy Brother printer drivers on a networked Windows* PC

† Windows\* only

†† Windows\* & Apple Macintosh only

## **Network Protocols & Security**

### **Network protocols**

IPv4	TCP/IP (IPv4 & IPv6) ARP, RARP, BOOTP, DHCP, APIPA(Auto IP), WINS/NetBIOS name resolution, DNS Resolver, mDNS, LLNMR responder, LPR/LPD, Custom Raw Port/Port9100, IPP/IPPS, FTP Server, TELNET Server, HTTP/HTTPS server, TFTP client & server, SMTP Client, SNMPv1/v2c/ v3, ICMP, LLTD responder, WebservicePrint, CIFS client, SNTP client
IPv6 (off by default)	NDP, RA, DNS resolver, mDNS, LLNMR responder, LPR/LPD, Custom Raw Port/Port9100, IPP/IPPS, FTP Client & Server, TELNET Server, HTTP/HTTPS server, TFTP client & server, SMTP Client, SNMPv1/v2c/v3, ICMPv6, LLTD responder, WebservicePrint, CIFS Client, SNTP Client

### **Network security**

Wired network security	APOP, POP before SMTP, SMTP-AUTH, SSL/TLS (IPPS, HTTPS, SMTP, POP), SNMP v3 802.1x (EAP-MD5, EAP-FAST, PEAP, EAP-TLS, EAP-TTLS), Kerberos
------------------------	--

## **Paper Handling**

### **Paper Input\*\***

Standard tray	250 sheets
Multipurpose tray	50 sheets
Optional lower tray	500 sheets
Maximum paper input	800 sheets

### **Paper Output\*\***

Standard paper output	150 sheets [face down]
Rear exit straight paper path	1 sheet [face up]

## **Media Specifications**

### **Media types**

Standard & Optional trays	Plain paper, thin paper, recycled paper
Multipurpose tray	Plain paper, thin paper, thick paper, thicker paper, recycled paper, bond, label, envelopes (Thick & thin), glossy paper

### **Media Weights**

Standard & Optional trays	60 to 105g/m2 (16 to 28lb)
Multipurpose tray	60 to 163g/m2 (16 to 43lb)

### **Media Sizes**

Standard & Optional trays	A4, letter, B5 (ISO/JIS), A5, A5 (long edge), B6 (ISO), A6, executive, legal, folio
Multipurpose tray	Width (76.2 – 220mm) x Length (116.0 x 406.4)

## **Supplies**

### **Standard yield toners**

Mono toner	(TN-320BK)	2,500 pages*
Cyan toner	(TN-320C)	1,500 pages*
Magenta toner	(TN-320M)	1,500 pages*
Yellow toner	(TN-320Y)	1,500 pages*

### **High yield toners**

Mono toner	(TN-325BK)	4,000 pages*
Cyan toner	(TN-325C)	3,500 pages*
Magenta toner	(TN-325M)	3,500 pages*
Yellow toner	(TN-325Y)	3,500 pages*

### **Other supplies**

Drum	(DR-320CL)	25,000 pages
Belt unit	(BU-300CL)	Up to 50,000 pages
Waste toner box	(WT-300CL)	Up to 50,000 pages

The frequency of replacement of consumables will vary depending on the complexity of the prints, the percentage of coverage, paper size, page per job, & the type of media.

## **Optional Accessories**

500 sheet lower tray	(LT-300CL):	Expanding the total paper input to 800 sheets
Memory:		Memory expandable up to 384MB total using industry standard 1 x DDR2 (16 bit, 144 pin) (Not available from Brother)

**Dimensions & Weights (with consumables)**

**With Carton**

Dimensions 650(W) x 574(D) x 521(H) mm  
 Weight 25.5Kg

**Without Carton**

Dimensions 410(W) x 486(D) x 313(H) mm  
 Weight 21.0Kg

**Power Consumption**

Printing Average 560w  
 Ready Average 65w  
 Deep Sleep Average 0.9w  
 TEC value 1.46 kWh / Week

**Sound Pressure Level**

Printing LpAm = 57 dB(A)  
 Ready LpAm = 33 dB(A)

**Sound Power Level**

Printing [Colour] LWAd = 6.71 B(A)  
 Ready LWAd = 4.07 B(A)

**Ecology**

Power Saving This enables the printer to consume less energy when not in use.  
 Toner Saving This reduces the toner usage & helps to reduce the total cost of printer ownership.

**Duty Cycles**

Recommended 300 – 3,000 pages monthly print volume  
 Maximum 40,000 pages monthly print volume

**Contents**

Mono toner cartridge (K): 2,500 pages\*  
 Colour toner cartridges (C, M, Y): 1,500 pages\*  
 Drum unit: ~~up to 5025~~ 50,000 pages  
 Power supply cord  
 Driver software for Windows & Apple Macintosh  
 Quick Set-up Guide  
 PC interface cable **NOT** included

- \* Cartridge yield is declared in accordance with ISO/IEC19798.
- \*\* Calculated with 80g/m<sup>2</sup> paper
- \*\*\* Downloaded free of charge from Brother's Solutions Centre <http://solutions.brother.com>
- † Windows<sup>®</sup> only
- †† Windows<sup>®</sup> & Apple Macintosh only

