HL-5450DN

brother
at your side

BE AT THE FOREFRONT OF
BUSINESS
WITH HIGH
SPEED OUTPUT

THE HL-5450DN IS THE PROFESSIONAL PRINT PARTNER COMBINING HIGH SPEED OUTPUT WITH ROBUST RELIABILITY TO MEET YOUR BUSINESS REQUIREMENTS

Features to optimise your workflow

- High speed output at up to 38ppm
- First page out in less than 8.5 seconds
- Standard total paper capacity of 300 sheets
- Up to 8,000[1] page high yield toner cartridges
- Ethernet network connectivity
- 1,200 x 1,200 dpi resolution
- Standard automatic 2-sided printing with booklet feature

THE HIGH PERFORMANCE PRINTER

Regardless of your business size Brother understands that your business runs on information. The HL-5450DN is packed with a range of easy-to-use, cost effective output solutions that are designed to deliver outstanding results time after time.

PRODUCTIVE

A first page out time of less than 8.5 seconds and an impressive print speed of up to 38ppm ensures large volume print jobs are handled with ease and deadlines are met.

PROFESSIONAL

Thanks to the 1,200 x 1,200 dpi print resolution you'll get sharp crisp text and accurate reproduction of even the finest details on the page. With automatic 2-sided and booklet printing as standard you can produce professional reports and presentations and reduce paper consumption by up to 75%.

FLEXIBLE

High volume printing requires professional paper handling.The 50 sheet multi-purpose tray offers the flexibility of printing on a range of media types including envelopes and thicker paper. The standard 250 sheet lower tray can be further enhanced by adding the optional 500 sheet lower tray.

INTEGRATED

Wired networked connectivity allows seamless integration into existing office infrastructure.PCL6 and BR-Script3 ready (Postscript®3™ Language Emulation) with support for, barcode printing as standard enables instant compatibility with business critical systems and applications including SAP.

COST EFFECTIVE

A range of cost saving features including toner save mode and booklet printing allow significant reductions on print costs. The optional 8,000¹ page high yield toner cartridge together with the separate drum unit means you can be sure of exceedingly low running costs.

RELIABLE

Capable of handling up to 3,500 pages every month with ease, the HL-5450DN delivers exceptional quality and performance, consistently meeting the needs of the most demanding business environments.

BROTHER'S DEVICE MANAGEMENT SOLUTIONS 🖥

The HL-5450DN is compatible with a range of utilities for device administration and management:

- **BRAdmin Professional** – A device management utility for remotely monitoring and configuring your printer fleet across multiple locations. Remotely diagnose user issues and setup automatic email alerts for instant notification of printer downtime enabling you to solve potential problems before they impact on productivity.

- **Web Based Management** – Manage and configure a single device by creating a direct connection through a standard web browser.
- **Central Deployment** – Deployable printer drivers that can be distributed and then automatically installed to multiple computers from one central location.

DATA SECURITY 🔒

- **Compatible with high level security protocols** such as PEAP & MS CHAPv2 enables the HL-5450DN to connect to the most robust network environments, ensuring that your productivity levels are sustained.

HL-5450DN Environmentally Friendly Printing

Our commitment to the environment is brought to life with a range of eco friendly features and the attainment of a range of environmental labels and awards:

- **Separate Toner & Drum:** Less wastage and reduced print costs.
- **Toner Save:** The Eco feature uses less toner, which can help you to reduce your print spend.
- **2-Sided, N-in1 & Booklet Print:** Reduce paper consumption by up to 75% by printing multiple pages onto a single sheet of paper.
- **Deep Sleep Mode:** Consumes less than 1 watt of power when not in use, which is 9 times less energy when compared to the standard ready mode
- **Quiet Mode:** Reduces the noise level so the device can be used in intellectual areas as recommended by Blue Angel.

GENERAL

Technology	Electrophotographic laser printer
Laser Classification	Class 1 laser product (IEC 60825-1:2007)
Standard Print Speed (Simplex)	Up to 38ppm (pages per minute)
2-Sided Print Speed (Duplex)	Up to 18ipm (images per minute)
Warm Up Time	Less than 1 second (from sleep mode)
First Print Out Time	Less than 8.5 seconds (from ready mode)
Resolution	1,200 x 1,200dpi, HQ1200 (2,400 x 600dpi quality), 600 x 600dpi
Processor	400MHz
Memory Capacity	64MB (expandable up to 320MB using 1 x 144 pin, 16bit DDR2 DIMM))
Local Interface	Hi-Speed USB2.0
Network Interface	Ethernet (10Base-T/100Base-TX)
Print Languages	PCL6, BR-Script3 (Postscript®3™ Language Emulation), IBM Proprinter XL & Epson FX-850
Embedded Fonts (PCL)	66 scalable fonts, 12 bitmap fonts
Embedded Fonts (PS)	66 scalable fonts
Embedded Barcodes (PCL)	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)
LED Display	Toner LED, drum LED, paper LED, back cover LED

PAPER HANDLING

Paper Input	250 sheet standard paper tray 50 sheet multi-purpose tray 500 sheet optional paper tray (maximum of 1)
Paper Output	150 sheets face down 1 sheet face up (straight paper path)

MEDIA SPECIFICATIONS

Media Types & Sizes	Standard / Optional Paper Tray - Plain & recycled paper (between 60 - 105 g/m2 (16 - 28 lb)) Multi-Purpose Tray - Plain, recycled & bond paper (between 60 - 163g/m2 (16 to 43lb))
Media Weights	Standard / Optional Paper Tray - A4, Letter, B5(ISO/JIS), A5, A5(Long Edge), B6(ISO), A6, Executive, Legal, Folio (A4 only supported in automatic duplex print mode) Multi-Purpose Tray - Width: 76.2mm to 215.9mm (3" to 8.5") x Length: 127mm to 355.6mm (5" to 14")")
Envelope & Label Printing	Yes, from Multi-Purpose (MP) Tray (accuracy & reliability will depend on the quality & type of media used)

SUPPORTED OPERATING SYSTEMS

Windows®	Windows 7® (32 & 64 bit editions), Windows Vista® (32 & 64 bit editions), Windows® XP Professional (32 & 64 bit editions), Windows® XP Home Edition, Windows® Server 2008R2, Windows® Server 2008 (32 & 64 bit editions), Windows® Server 2003 (32 & 64 bit editions)
Macintosh	Mac OS X 10.5.8, 10.6.x, 10.7.x
Linux	CUPS, LPD/LPRng (x86/x64 environment)

MOBILE PRINTING

iPrint&Scan	Print JPG & PDF files from a Microsoft®, Apple® or Android® smart phone / tablet (Microsoft® is JPG only)
Google Cloud Print	Print most common file types from any Google Cloud Print® enabled application

PRINTER DRIVER FUNCTIONS

N-up Printing[2]	Reduce up to 2, 4, 9, 16 or 25 A4 pages into just one A4 page
Poster Printing[3]	Enlarge 1 A4 page into a poster using 4, 9, 16 or 25 A4 pages
Watermark Printing[3]	Watermark your documents with predefined text or with your own user-defined messages
Macro Printing[3]	Create & embed custom templates, for example a company logo, which automatically prints on all of your printed documents
ID Printing[3]	Add identification to your printed documents (date & time, short custom message or PC username)
Booklet Printing[3]	Print documents in A5 booklet format using automatic or manual 2-sided print
Quite Mode	Reduces the noise of the machine whilst printing (a small reduction in print speed also occurs)
Skip Blank Page[3]	Ignores any pages blank pages in your documents
Reprint[3]	Print the last document that was sent to the machine

NETWORK UTILITIES / PROTOCOLS

Web Based Management	Web browser based management software
Driver Deployment Wizard	A quick & easy way to deploy Brother printer drivers on a networked Windows® PC
BRAdmin Professional	For LAN / WAN management (Downloadable from http://solutions.brother.com)
Print Log to Network	Records printing activities from individual users
E-mail Notifications	Automatic alerts sent via e-mail when the device needs attention, e.g. toner low
Protocols	TCP/IP (IPv4 & IPv6)
IPv4 Supported Protocols	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, SNTP client
IPv6 Supported Protocols	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, SNTP Client

SECURITY FEATURES

Security Protocols	APOP, POP before SMTP, SMTP-AUTH, SSL/TLS (IPPS, HTTPS, SMTP, POP), SNMP v3, Kerberos, 802.1x (EAP-MD5, EAP-FAST, PEAP, EAP-TLS, EAP-TTLS)
Secure Function Lock v2	Restrict print activities to selected users and assign optional page limits
Secure Printing with SSL	IPP based encryption, already widely used in e-commerce to protect financial & sensitive information
IP Filter	IP address based access restriction (IPv4 only)
802.1x (Wired Network Access Control)	Supported Protocols - EAP-MD5, EAP-FAST, PEAP, EAP-TLS, EAP-TTLS

SUPPLIES / ACCESSORIES

In-box Toner	Approx. 3,000 pages[1]
Standard Toner	TN-3330 - Approx. 3,000 pages[1]
High Yield Toner	TN-3380 - Approx. 8,000 pages[1]
Drum	DR-3300 - Approx. 30,000 pages (one job per page)
Optional Lower Tray	LT-5400 - Up to 500 sheets

WEIGHTS & DIMENSIONS

With Carton	499(w) x 478(d) x 380(h) mm / 12.4kg
Without Carton	371(w) x 384(d) x 245(h) mm / 10.5kg

ENVIRONMENT

Typical Electrical Consumption	1.93kWh / week
Power Consumption	700W active, 4.8W ready, 0.5W deep sleep
Sound Pressure	59dBA active, 54dBA quiet mode, 34dBA ready
Sound Power	6.79BA active, 6.4BA quiet mode, 4.7BA ready
Power Save	Consume less energy when not in use
Toner Save	Reduces toner usage

DUTY CYCLE

Recommended Monthly Print Volume	500 to 3,500 pages
Maximum Monthly Volume	50,000 pages[4]

[1] Declared yield value in accordance with ISO/IEC19752, [2] Windows® & Mac® only, [3] Windows® only, [4] Maximum number of printed pages per month and 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.