



MFC-8820D

5-in-1 Laser Flatbed Multi-Function Centre® with Super G3 fax

Fully Featured Laser Document Solution with Built in Duplex Printing

- Laser Printer
- Laser Flatbed Digital Copier
- Laser Super G3 Fax
- Colour Flatbed Digital Scanner
- PC Fax



➤ Laser Printer

The laser printing performance is outstanding.
It's fast – up to 16 pages per minute print speed.
The quality is pin sharp – with a printing resolution of up to 2400 by 600 dots per inch.
There's a generous 32MB of memory as standard, with the option to expand up to 160MB.
It features both PCL®6 and BR-Script 3 (PostScript 3 language emulation) and the choice of parallel, high speed USB 2.0 and optional Network means that connectivity isn't a problem.
Secure print for Windows® users ensures confidential documents remain that way.
Duplexing printing is standard and allows the user to print two sided documents.



➤ Laser Flatbed Digital Copier

The performance as a desktop copier is consistently impressive.
The flatbed design comfortably accommodates A4 and legal sized originals, whilst the Automatic Document Feeder is capable of handling up to 50** A4 sheets. It has a paper capacity of up to 250** sheets as standard and this can be expanded to up to 500** sheets with the optional cassette tray (LT-5000).
Up to 99 copies can be generated at one time and stack and sort functions ensure that your copies are presented exactly how you'd like them. In addition to this, 2-in-1 and 4-in-1 scale options enable you to maximise your paper efficiency. Duplex copying will further allow you to save your paper costs

** @ 75gsm A4 paper



➤ Laser Super G3 Fax

An essential communications tool, this machine offers an impressive laser fax performance which includes faxing bound documents using the fixed platen. A modem speed of 33.6kbps means that faxes can be sent in as little as 2 seconds per page.
It has a combined 'out of paper' and 'fax transmission' memory facility that allows up to 500 pages to be stored.†40 one-touch numbers can be dialled quickly and easily, as can a further 300 speed dial numbers.
Memory security ensures that private and confidential means just that.
Duplex fax receiving allows the user to print received faxes as two sided documents.

†ITU-T Test Chart No.1, standard resolution



➤ Colour Flatbed Digital Scanner

An increasingly popular function.
Scans can be generated through the flatbed or the Automatic Document Feeder. The 'Scan' key offers flexibility by enabling you to scan directly to OCR, E-mail, Image or File (Windows Only).
The resolution is high at up to 9600 by 9600 dots per inch (interpolated).

➤ PC Fax

Brother PC-Fax software*
Send and receive faxes directly from your PC. (Send only from Mac)

Ease of Operation

Besides these main functions, this Multi-Function Centre® also offers:

Simultaneous operation, which means that, for example, you can start scanning while a print-out is being generated or print a document whilst sending a fax.

A large, five line back-lit display helps make operation simple – as do the clear instructions it shows.

Back-lit keys for Fax, Copy and Scan enable instant access to each function.

Software

Brother supplies industry standard software to enhance the key functions of your machine:

- **Scansoft Paperport® 8.0SE*** for Windows
Turns piles of paper and photos into organised digital files that you can quickly find, use and share.
- **TextBridge® OCR software*** for Windows
Easily turns printed pages into editable electronic documents for Windows® users.
- **Remote set up utility*** for Windows
Configure the settings of your machine from your PC.
- **Presto! PageManager for Macintosh™ including OCR***
Document management software for Macintosh™ users including OCR.

* See driver table for details on your operating system.



Without optional Paper Tray



With optional Paper Tray (LT-5000)

Optional Network Connectivity

The MFC-8820D offers an optional NC-9100h Print/Scan/Fax Server which enhances your machine into a workgroup Multi-Function Centre®.

Specifically designed to ensure effortless implementation into the majority of networks and supporting industry standard speed (10/100BaseTX) and protocols (TCP/IP, IPX/SPX, AppleTalk).

For the User

Network Printing

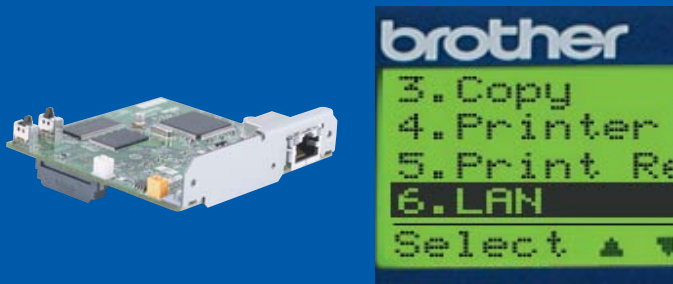
The NC-9100h offers network printing functionality across the most popular protocols and platforms including Microsoft Windows®, Macintosh™, Novell, Unix and Linux operating systems.

Network scanning

- Scansoft PaperPort 8.0SE with 5 user licence and Brother control centre for effortless network scanning.
- Scan key functionality
- Further optional 5 user licence (NL-5) agreements to extend workgroup capability up to a maximum of 25 users.

Network PC Fax

Allows unlimited users to send faxes from their desktop applications.



For the IT Administrator

Network Management

Manageability is essential in today's busy network environments so Brother provides a number of tools to help you proactively manage your network-connected printers and Multi-Function Centres®.

An Embedded Web Server provides a platform that can be accessed from any web browser to manage your device. E-mail notification can alert administrators or users when a consumable is running low or an error occurs.

In addition Brother provides its BRAdmin Professional Software for administering LAN connected printers and Multi-Function Centres®. An Enterprise edition of this software for administering WAN connected printers and MFC's can be downloaded from the web-site. <http://solutions.brother.com>



Networking your Macintosh™ with Rendezvous

Brother's first Rendezvous ready Multi-Function Centre®. Using the optional NC-9100h makes connecting your Multi-Function Centre® to the network easy. It uses industry standard networking protocols and zero configuration technology to automatically discover and connect devices on an IP network.



For a full list of specifications for the NC-9100h Print/Scan/Fax Server please go to <http://solutions.brother.com>



24 hour 7 day
Online Help

At your side.
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Duplex function

The MFC-8820D comes with duplex feature as standard. This facility is built-in, so there is nothing to add to the machine, it's ready to duplex straight out of the box.

Automatic Duplex printing

Whether your intentions are to produce professional documents or reduce paper usage, thus reducing costs, the MFC-8820D enables you to automatically print to both sides of the paper. Simply select the option in the printer driver and the machine will do the rest.

Duplex Copying

By placing multiple single sided originals into the automatic document feeder, the MFC-8820D can automatically copy to both sides of the output paper.

Automatic Duplex Fax Receive

This useful feature is standard on the MFC-8820D. When activated, any multiple page fax messages received can be printed onto both sides of the recording paper, thus cutting your paper usage and costs at the same time as keeping your fax messages in order.

Paper Handling

Standard paper cassette

The MFC-8820D comes with a 250** sheet cassette as standard. It accommodates various paper types including labels, transparencies and envelopes.

Multi-purpose tray

The MFC-8820D also comes with a built-in multi-purpose tray as standard. It accommodates various paper types including labels, transparencies and envelopes. Up to 50** sheets can be placed in the multi-purpose tray at one time. This is ideal when you want to print on alternative stock.

Optional paper cassette

An optional 250** sheet cassette is available (LT-5000). With this cassette the MFC-8820D has a total sheet capacity of 550** sheets.

Consumables/Environment

Low running cost

The toner and drum are compatible with other selected Multi-Function Centres® and Printers. This reduces the stock of consumables required to keep all your machines working at their optimum efficiency.

Separate toner and long-life drum reduce wastage and overall costs.

Environment

Brother Multi-Function Centre® consumables are recyclable and use recyclable parts and packaging. The MFC-8820D is Energy Star rated and has Toner save / Power save modes. It also complies to ISO 14001

Brother Consumables

TN-7300 - Standard yield toner - 3,300* pages

TN-7600 - High yield toner - 6,500* pages

DR-7000 - Printing drum - 20,000* pages



* @ 5% coverage A4 paper
** @ 75gsm A4 paper

Technical Specification



General

Engine	Laser
Input / output width	Up to 216mm
ADF (Automatic Document Feeder)	Up to 50* sheets
Backlit LCD display size	Yes - 5 lines x 22 characters
On-Screen Programming	Step by step prompts are displayed within the LCD in order to facilitate programming machine options and settings.
CPU speed	133Mhz
Standard memory capacity	32MB standard / 160MB maximum
Back-up for clock	Keeps time and date backed up for up to 4 days
Memory Security	Allows prevention of unauthorised access to the fax machine
Simultaneous Operation	(Print/Fax) (Print/Copy) (Print/Scan)
Input Paper Capacity	Standard paper cassette Up to 250 sheets* / Up to 1 Sheet* Manual / Up to 50 sheets* Multi Purpose Tray
Output paper capacity	Optional paper cassette Up to 250 sheets* (LT-5000)
Paper handling size	Up to 150 sheets*
Media Weight	A4/LTR/LGL/B5/A5/B6/A6/EXE
Economical mode	60gsm to 185gsm
	Toner save mode, Power save mode

Laser Printer

Speed	Up to 16ppm
Warm Up time	12 Seconds from ready
Resolution	Max. 2400 x 600dpi
Compatibility	Windows / Mac
Emulation	PCL6 & BR-Script 3 (PostScript 3 language emulation)
Secure Print	Prevents unauthorised printing of protected documents
N in 1	Compress 2 or 4 pages on to a single sheet
Poster Printing	Enlarge image to poster size
Duplex Printing	Yes

Laser Fax

Dual Access	Scan a fax for transmission whilst receiving a fax
Modem speed	33.6kbps Super G3 / Approx 2 seconds transmission (Brother Test Chart No 1, JBIG)
Data Compression	MH / MR / MMR / JBIG
Automatic redial	Automatic redial if the recipient fax is busy
One-touch dials	40 locations for one-touch auto dialling of pre-stored numbers
Speed dials	300 locations for two-touch auto dialling of pre-stored numbers
Group dials	Up to 6 groups
Chain Dialling	Allows the user to store parts for long dialling sequences in different one-touch or speed dial locations
Station ID	This is the stored information that appears at the top of faxed pages
Caller ID compatibility	Yes
Automatic Fax / Tel switch	Automatic recognition of fax and telephone reception
Telstra Faxstream Duet compatibility	Yes
Super fine	Enables quality transmission of very small print or line drawings
Grey scale	64 shades of grey
Delayed timer	Yes - up to 50 timers
Memory transmission	Up to 500 pages (ITU-T Test Chart No 1)
Out of paper transmission	Up to 500 pages (ITU-T Test Chart No 1)
Broadcasting locations	Send the same fax message to up to 390 pre-programmed / 50 Manual
Batch transmission	Stores documents for the same location in the machines memory for transmission in a single call
Automatic reduction	Automatically reduces a received fax to fit on to a single sheet of A4
Error correction mode	Where machines share ECM, it resends the page(s) of a document where an error has occurred
Fax forwarding	Sends a fax received in memory to another pre-programmed fax number
Remote access	Allows the user to remotely access their machine by using another touch-tone phone
Fax retrieval	Allows the user to retrieve fax messages using another touch-tone phone
Duplex fax receiving	Yes

Laser Flatbed Digital Copier

Speed	Up to 16cpm
Resolution	Max. 1200 x 600dpi
Multi copy	Produces up to 99 copies of each original
Stack & Sort	Stacks or sorts output copies as desired
Enlargement / reduction ratio	25% - 400% in 1% increments
Duplex copying	Yes

Colour Flatbed Digital Scanner

Resolution (Optical)	Max. 600 x 2400dpi
Resolution (Interpolated)	Max. 9600 x 9600dpi
Colour Depth	48 bit internal / 24 bit external
Grey scale	256 shades of grey
Scan key	Scan to e-mail/OCR/Image/File (Windows Only)

PC Fax

PC Fax Sending	Faxes can be transmitted directly from a PC (Windows / Mac)
PC Fax Receiving	Faxes can be received directly to a PC (Windows)

Lists/Reports

Journal report	Lists information about the last 200 incoming and outgoing faxes.
Transmission verification report	Reports transmission details after each fax is sent.
Cover-page	Generates a cover page at the recipients machine.
Help list	By pressing the report key a list of basic operational steps and functions can be printed
Quick Dial List	Yes
System Setup List	Yes

Interface

Connectivity	IEEE1284 Parallel and Hi-Speed USB2.0 connections
External TAD Interface	Interface for connecting external telephone answering device
Network 10/100Base-TX Ethernet	Optional (NC-9100n)

Dimensions / Weight / Power

Dimensions	532(w) x 444(d) x 469(h) mm
Weight	Without Consumables 18.1kg
Power Consumption	Operating - 940W or less (Copying) Sleep / Standby / Peak - 14W / 75W / 940W or less CPU Sleep - 6W or less

Consumables

Toner	Standard (TN-7300) - Up to 3,300 pages with 5% coverage, A4 paper High Yield (TN-7600) - Up to 6,500 pages with 5% coverage, A4 paper
Drum	DR-7000 - Up to 20,000 pages @ 1 page per job, A4 paper
	Brother strongly recommends that our customers use Genuine Brother consumable products only. By using genuine Brother consumables the benefits to you are: Better quality prints, Greater yields per consumable, Protect your machine from damages, Achieve optimum performance.
	Your machine warranty may not cover any damage arising from the use of non genuine Brother consumables.

Options

Lower Paper Tray	LT-5000 - additional up to 250 sheets
Network Print/Scan/Fax Server	NC-9100n - with 5 user licence NL-5 - optional 5 user licence†
Memory	Upgradeable to 160MB using industry standard Dimm



Rendezvous



MFC-8820D	Scanner Resolution	TWAIN/ WIA Driver	Scan to Image	Scan to E-mail/OCR	Scan to File	Scan to E-mail Server	Brother PC-FAX Send	PC-FAX Receive	Printer Driver	Brother Control Centre	Remote Setup	NewSoft Presto Page Manager 4.0	ScanSoft™ PaperPort® 8.0SE
Microsoft Windows® 95	9600x9600	TWAIN	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓
	9600x9600	TWAIN	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓
	9600x9600	TWAIN	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓
	1200x1200**	WIA	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓
Macintosh™ OS 8.6	9600x9600	TWAIN				✓	✓		✓			✓	
	9600x9600	TWAIN				✓	✓		✓			✓	
	-					✓	✓		✓		✓	✓	
	9600x9600	TWAIN				✓	✓		✓		✓	✓	

*at 75gsm A4 paper ** This feature is also available for Network connected users when the NC-9100n Print/Fax Server is installed. †Up to a maximum of 25 users. ‡TCP/IP - RARP, BOOTP, DHCP, NetBIOS, WINS, LPR/LPD, Port9100, SMTP/POP3, SMB (NetBIOS/IPC), IPP, FTP, TELNET, HTTP, SNMP, TFTP, IPX/SPX, AppleTalk (EtherTalk), DLC/LLC

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brother

At your side.

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All specifications subject to change without notice