MFC-8820DN - Duplex function

The MFC-8820D and the MFC-8820DN come 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 and MFC-8820DN enable 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 Auto Document Feeder, the MFC-8820D and MFC-8820DN can automatically copy to both sides of the output paper.

Automatic Duplex Fax Receive
This useful feature is standard on the MFC-8820D and MFC-8820DN. 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.

Multi-purpose tray
The MFC-8820D and MFC-8820DN come 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.

Brother Consumables
Brother has made every effort to make consumable replacement as easy as possible.

Benefits of this to the customer are:
- Toner and drum compatibility with the complete range of products in this generation including, Multifunction machines and Printers. This reduces the stock of consumables required to keep all your machines working at their optimum efficiency.
- Separate toner and drums reduce wastage and overall costs.
- High yield and standard yield toners available depending on your usage.

The consumables:
TN-7300 - Standard yield toner
TN-7600 - High yield toner
DR-7000 - Printing drum

MFC-**8420**
MFC-**8820D**
MFC-**8820DN**

Technical Information

General

Engine		Laser
LCD Display		5 lines x 22 characters
Back-up for clock		Keeps time and date backed up for 4 days
Memory Capacity		32MB standard / 160MB maximum
Automatic Document Feeder		Up to 50 sheets
Paper handling size		A4/LTR/LGL/B5/A5/B6/A6/EXE
Paper Capacity	Standard paper casette	Up to 250 sheets
	Optional paper casette	Up to 250 sheets (LT-5000)
	Output paper capacity	Up to 150 sheets
Simultaneous Operation		(Print/Fax) (Print/Copy) (Print/Scan)
Duplex Printing	Standard	On MFC-8820D and MFC-8820DN

Laser Printer

Speed	Up to 16ppm
Resolution	Max. 2400 x 600dpi
Standard print language	Windows GDI
Emulation	PCL6 & BR-Script 3
Secure Print	Prevents unauthorised printing of protected documents

Laser Copier

Speed		Up to 16ppm
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
N in 1		Compress 2 or 4 pages on to a single sheet
Poster Printing		Enlarge image to poster size
Duplex copying	Standard	On MFC-8820D and MFC-8820DN

Colour Scanner

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

Interface

External TAD Interface	Interface for connecting external telephone answering device
Parallel	IEEE1284 Parallel Cable Port
USB	Hi-Speed USB2.0
Network 10/100Base-TX	Optional - NC-9100h On MFC-8420 and MFC-8820D
Ethernet	Standard - NC-9100h On MFC-8820DN

Laser Fax

Dual Access		Scan a fax for transmission whilst receiving a fax
Modem		33.6kbps Super G3
		Approx 2 seconds transmission
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
Fax / Tel switch		Automatic recognition of fax and telephone reception
Distinctive ring detection		Yes - UK & Denmark only
Super fine		Enables quality transmission and reception of very small print or line drawings
Grey scale		256 shades of grey
Delayed timer		Yes - up to 50
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
Batch transmission		Stores documents for the same location in the machines memory for transmission in a single call
Auto 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 occured
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
PBX		Enables compatability with PBX's that use Time Break Recall
Duplex fax	Standard	On MFC-8820D and MFC-8820DN

Weights & Dimensions

Dimensions / Weight	With Carton	567(w) x 628(d) x 575(h) mm / 21.8kg
	Without Carton	532(w) x 444(d) x 469(h) mm / 16.6kg

Consumables & Options

Toner	Standard	TN-7300 - 3,300 pages with 5% coverage
	High Yield	TN-7600 - 6,500 pages with 5% coverage
Drum		DR-7000 - 20,000 pages @ 1 page per job
Lower Paper Tray		LT-5000 - additional 250 sheets
Network Print/Fax Server		NC-9100h - with 5 user licence
		NL-5 - optional 5 user licence[†]

Other Information

Power Consumption	Operating	440W or less (Copying)
	Sleep / Standy / Peak	14W / 75W / 1090W or less
	CPU Sleep	6W or less

[†]Up to a maximum of 25 users

MFC-8420 MFC-8820D MFC-8820DN	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	✓	✓	✓	✓*	✓*	✓	✓	✓*	✓	✓	✓
98/Me/2000 Professional	9600x9600	TWAIN	✓*	✓*	✓*	✓*	✓*	✓	✓	✓*	✓	✓	✓*
NT4.0 Workstation	9600x9600	TWAIN	✓	✓	✓	✓	✓	✓	✓	✓*	✓	✓	✓
XP	1200x1200**	WIA	✓*	✓*	✓*	✓*	✓*	✓	✓	✓*	✓*	✓	✓*
Macintosh™													
OS 8.6	9600x9600	TWAIN		✓*	✓*			✓*					✓	
OS 9.x	9600x9600	TWAIN		✓*	✓*			✓*					✓	
OS 10.1	–	–		✓*	✓*			✓*			✓		✓	
OS 10.2.1 or greater	9600x9600	TWAIN		✓*	✓*			✓*			✓		✓	

MINIMUM SYSTEM REQUIREMENTS

COMPUTING SYSTEM	OPERATING SYSTEM VERSION	PROCESSOR SPEED	MINIMUM RAM	RECOMMENDED RAM	AVAILABLE HARD DISK SPACE for Drivers and ScanSoft™ Software	for NewSoft® Page Manager Software
WINDOWS®	95	Pentium 75MHz	32MB	32MB	180MB	
	98/98SE	Pentium 75MHz	32MB	32MB	180MB	
	Me	Pentium 150MHz	32MB	64MB	180MB	
	NT4.0	Pentium 75MHz	32MB	64MB	180MB	
	2000 Professional	Pentium 133MHz	64MB	128MB	180MB	
	XP	Pentium 233MHz	64MB	128MB	180MB	
MAC™	OS 8.6 - OS 9.2	All base models meet minimum requirements				200MB
	OS 10.1		128MB	160MB		200MB
	OS 10.2.1 or greater		128MB	160MB		200MB

* This feature is also available for Network connected users when the NC-9100h Print/Fax Server is installed. ** Brother Scanner Utility enables enhancement up to 9600 x 9600dpi

Contact:

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Brother | MFC

MFC-**8420**
MFC-**8820D**
MFC-**8820DN**

- Laser Printer
- Laser Fax
- Laser Copier
- Colour Scanner

MFC-8420
- Optional Network Interface

MFC-8820D
- Duplex Printing as Standard
- Optional Network Interface
- Multi-purpose Tray

MFC-8820DN
- Duplex Printing as Standard
- Network Interface as Standard
- Multi-purpose Tray

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Laser Printing

The laser printing performance is outstanding.
It's fast – up to 16 pages per minute.
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) emulations.
And the choice of parallel, USB 2.0 and optional Network means that connectivity isn't a problem.
Secure print for Windows® users ensures confidential documents remain that way.

Laser Faxing

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.

†ITU-T Test Chart No.1

Laser Copying

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.

Four essential functions…

…each individually impressive.

MFC-**8420** Without / with lower tray
■ Optional Network Interface

MFC-**8820D** Without / with lower tray
■ Duplex printing as standard
■ Optional Network Interface

MFC-**8820DN** Without / with lower tray
■ Duplex printing as standard
■ Network Interface as standard

Colour Scanner

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

Besides these four main functions, this all-in-one machine 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.

Backlit 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***
Turns piles of paper and photos into organised digital files that you can quickly find, use and share.

■ **TextBridge® OCR software***
Easily turns printed pages into editable electronic documents.

■ **Brother PC-Fax software***
Send and receive faxes directly from your PC.

■ **Remote set up utility***
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.

Network Connectivity as standard

The MFC-8420 and MFC-8820D offer an optional NC-9100h Print/Fax Server, with this feature coming as standard on the MFC-8820DN.
This Network Connectivity enhances your machine into a workgroup MFC and has been 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
■ Brother control centre for effortless Network Scanning
■ Scan to key functionality
Further optional 5 user licence 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 MFC's.

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 MFC's. An Enterprise edition of this software for administering WAN connected printers and MFC's can be downloaded from the web-site.

Networking your Macintosh™ with Rendezvous
Brother's first Rendezvous ready multifunction product. Using the optional NC-9100h makes connecting your multifunction device 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/Fax Server please go to **http://solutions.brother.com**

MFC-**8420**
MFC-**8820D**
MFC-**8820DN** | **all-in-one** machines

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