

5-in-1 Monochrome Laser
Multi-Function Centre

MFC-7450 / MFC-7840N

Print • Fax • Copy • Colour Scan • PC Fax

brother[®]
at your side



High-Yield Replacement Toner Cartridge
Helps Keep Running Costs Low



High Quality Output
Up to HQ1200 Printing
(2,400 x 600 dpi)



Automatic Document Feeder
Copy or Scan Multi-page Documents Easily



Built-in USB & Network* Interfaces
Flexible Connectivity

Count your savings with the trusted partner for small businesses and networked offices/workgroups*



Print Speed - 22ppm (A4) 23ppm (Letter)



Super G3 Fax



Copy



Colour Scan



Mono PC Fax Send & Receive



HQ1200



Automatic Document Feeder



Cost-Saving Separate Toner & Drum Technology



PCL6 Emulation



Network Ready*

* Network feature is available for MFC-7840N

MFC-7450

5-in-1 Monochrome Laser
Multi-Function Centre



MFC-7840N

5-in-1 Network-Ready
Monochrome Laser
Multi-Function Centre



Print, fax, copy and colour scan in high-speed with the MFC-7450 and the network-ready MFC-7840N. These 5-in-1 monochrome laser Multi-Function Centres (MFCs) are equipped with a Super G3 fax modem that transmits faxes in approximately 2 seconds, while the stylish MFC-7840N enables your entire workgroup to print, scan and PC Fax over the company network, making them the indispensable office companions of today.

Both models also feature a 35-page Automatic Document Feeder (ADF) that's ideal for busy professionals. What's more, the out-of-memory fax function allows the storage of up to 500 pages should paper ever run out.

With all these great features and more, the MFC-7450 and MFC-7840N are truly a cost-effective and invaluable addition to any small business or networked office/workgroup.

Features

Print, fax, copy, colour scan and PC Fax all in one

Save money, space and time by accessing multiple functions on a single machine.

Improve your productivity and save time

With a rapid print speed of up to 22ppm, you can now utilise your time more efficiently instead of waiting for your printouts.

Professional print quality

Achieve professional-looking, monochrome documents that are high in resolution (HQ1200) and razor-sharp with crisp, rich black outputs for consistent, superior quality.

Transmit faxes faster

Transmit faxes faster with the Super G3 fax that allows transmission in about 2 seconds.

Eliminate printing of junk faxes

The PC Fax receiving feature boasts a junk fax filter that eliminates the printing of unnecessary faxes, thereby cutting down on paper and toner wastage. PC Fax sending lets you scan documents directly to your computer for transmission as a fax.

Furthermore, incoming faxes can be stored in the memory of the MFC when the PC is switched off and transferred from the MFC to PC when the computer is next switched on. Storing faxes on the PC also prevents you from accidentally losing important documents and gives you the option of saving them as a soft copy or deleting them entirely, saving paper and toner.

Keep running costs low

Achieve low running costs by using a high-yield toner if you are a heavy user. A separate toner and drum system allows you to continue using the drum for a few toner cycles so you not only save cost, but also the environment with reduced wastage. You can also select Toner Save Mode for printing draft documents to reduce toner usage for non-critical printouts.

Convenient scanning of large amounts of documents (ADF)

The 35-page ADF allows you to copy and scan multi-page documents quickly and easily, complementing the machine's stack and sort capabilities for added convenience.

Advanced colour scanning made easy

Brother MFCs allow you to enjoy the benefits of full colour scanning via the following options:

Scan-to-file: You can save time by scanning and saving documents directly as a soft copy on your computer in various formats, including PDF and JPEG.

Scan-to-E-mail: Easily and conveniently send your paper documents via e-mail by scanning them straight to your default e-mail application as attachments.

Scan-to-OCR (Optical Character Recognition): If you need to edit a printed document, you can scan and automatically convert it to text in your favourite text editing software e.g. Microsoft® Word.

Scan-to-image: Scanned images can be automatically opened in your selected imaging or photo application, ready for you to save, edit or print.

Scan-to-FTP[^]: Save time and effort by scanning and uploading your documents and images to a FTP server.

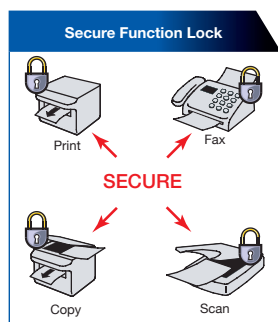
Scan-to-E-mail server^{^*}: Scan document directly to a server e-mail address.



Additional Features for MFC-7840N

Easy network integration

With network-capability, you can turn the MFC-7840N into a sophisticated workgroup machine through seamless integration with your existing IT infrastructure. To help you manage the machine and its connectivity more efficiently, the MFC-7840N comes bundled with an Embedded Web Browser. With it, email notifications can automatically alert administrators or users when the toner is running low or if an error occurs.



Security

MFC-7840N comes with a secure print feature that allows you to send confidential documents in secure mode. To provide greater control over document security, this model also comes with Secure Function Lock that allows an administrator to restrict user access to certain functions like print, fax, copy, scan or PC Fax. Access can be given easily with a 4-digit PIN code.

Save time and resources communicating using the Internet

Also available is Internet Fax* (I-Fax) which sends faxes through the Internet for instantaneous transmission, saving both time and resources. This gives you easy access to all received faxes on the PC and allows you to keep up-to-date with your faxes even while on the go.

[^]applicable to MFC-7840N only

* Optional free downloads available from <http://solutions.brother.com>

Technical Specifications

	MFC-7450	MFC-7840N	
GENERAL			
Printing Technology	Electrophotographic (Laser)		
Memory Capacity	32 MB standard		
Interface	Full-speed USB2.0		
Automatic Document Feeder (ADF)	Up to 35 sheets		
Display	2 Line, 16 digit LCD		
LASER PRINTING			
Print Speed (A4/Letter)	Up to 22 ppm / 23 ppm		
Resolution	HQ1200 (2,400 x 600 dpi), 600 dpi, 300 dpi		
First Print Out Time	Less than 10 secs		
Emulations	PCL®6, BR-Script3 (PostScript®3 compatible)		
LASER FAXING			
Modem Speed/ Best Transmit Speed	33.6 K bps Super G3 / Approx. 2 sec. ^		
Internet Fax (I-Fax)*	-	Fax documents anywhere in the world over the Internet without the use of a telephone line	
Fax/Tel Switch	Automatic recognition of fax and telephone reception		
One-Touch Dials	8 (4x2) Locations		
Speed and Group Dials	200 Locations / 8 Groups		
Automatic Redial	Automatic redial if the recipient fax is busy		
Quick Scan	Approx. 2.5 sec / page		
Memory Transmission	Up to 500 pages†		
Out-of-Paper Reception	Up to 500 pages†		
Broadcasting	Up to 258 locations		
Manual Broadcasting	Up to 50 locations		
Auto Reduction	Automatically reduces a received fax to fit onto a single sheet of A4		
ECM (Error Correction Mode)	Yes		
Fax Forward	Yes		
Fax Retrieval	Yes		
Dual Access	Scan a fax transmission while receiving a fax		
LASER COPYING			
Copy Speed (A4/Letter)	Up to 22 cpm / 23cpm		
Resolution	600 x 600 dpi		
First Copy Out Time (from READY mode)	Less than 15 secs		
Multi Copy	Stack	Yes (up to 99 copies)	
	Sort	Yes	
Reduction/Enlargement Ratio	25% - 400% in 1% increments		
N in 1 (up to A4 only)	Compress 2 or 4 pages onto a single sheet		
COLOUR SCANNING			
Colour and Mono Scanning	Yes		
Resolution	Optical	Max 600 x 2,400 dpi (colour & mono)	
	Interpolated	19,200 x 19,200 dpi	
Greyscale	256 shades of grey		
Colour Depth (Internal/ External)	48 bit / 24 bit		
Scan Functions	Scan to E-mail	Yes	Yes
	Scan to Email Server	-	Yes*
	Scan to Image	Yes	Yes
	Scan to OCR	Yes	Yes
	Scan to File	Yes	Yes
	Scan to FTP	-	Yes
PC-FAXING			
Sending	Yes, available for Windows® and Macintosh®		
Receiving	Yes, available for Windows® only		
PAPER HANDLING			
Paper Input	Standard Tray	Up to 250 Sheets	
	Manual Feed Slot	1 Sheet	
	ADF	Up to 35 sheets Automatic Document Feeder	
Paper Output	Up to 100 sheets face down 1 sheet face-up tray (straight paper path)		
MEDIA SPECIFICATIONS			
Media Types	Standard Tray	Plain paper, recycled paper, transparencies	
	Manual Feed Slot	Plain paper, bond paper, recycled paper, envelopes, labels, and transparencies	
	ADF	Plain, recycled paper	
Media Weights	Standard Tray	60 - 105g / m2 (16 - 28lb)	
	Manual Feed Slot	60 - 163 g / m2 (16 - 43 lb)	
	ADF	64 - 90 g / m2 (17 - 24 lb)	
Media Sizes	Standard Tray	A4, Letter, B5 (ISO), A5, B6, A6, Exe, Legal, Folio	
	Manual Feed Slot	Width 76.2 to 220 mm, Length 116 to 406.4 mm (Width 3.0" to 8.66", Length 4.57" to 16")	
	ADF	Width 148.0 to 215.9 mm, Length 148.0 to 355.6 mm (Width 5.8" to 8.5", Length 5.8" to 14")	
PRINTER DRIVERS SOFTWARE			
Windows®	Host-Based for Windows® 2000 Professional, XP Home Edition, XP Professional, XP Professional x64 Edition, Windows Vista®, Windows Server® 2003 (print only via network)		
Macintosh®	Mac OS® X 10.2.4 or greater		

	MFC-7450	MFC-7840N
FUNCTIONS		
N-up Printing	Reduce up to 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	
Watermark Printing	Print documents with predefined text or user-defined messages	
Quick Print Set-up	Select print options in the driver quickly	
Manual Duplex	Manually print on both sides of the paper	
Secure Print	-	Protection for your print documents
Secure Function Lock	-	Restricts functions on the machine, such as fax or copying, to selected users (up to 10 users)
NETWORK		
Built-in Network Interface	-	Ethernet (10 / 100 Base-TX)
Network Functionality	-	Print, scan and PC fax
Protocols	-	TCP / IP (IPv4 & IPv6)
IPv4 Supported Protocols	-	TCP / IP, ARP, RARP, BOOTP, DHCP, APIPA (Auto IP), WINS / NetBIOS, DNS resolver, mDNS, LLNMR responder, LPR/LPD, Port9100, IPP, FTP server, POP before SMTP, SMTP AUTH, APOP, TELNET, SNMPv1, HTTP server, TFTP client & server, SMTP Client, ICMP
IPv6 Supported Protocols	-	TCP / IP, NDP, RA, DNS resolver, mDNS, LLNMR responder, LPR / LPD, Port9100, IPP, FTP server, POP before SMTP, SMTP AUTH, APOP, TELNET, SNMPv1, HTTP server, TFTP client & server, SMTP Client, ICMPv6
SOFTWARE		
Web Based Management	-	Web browser print server management
Driver Deployment Wizard	-	A quick and easy way to deploy Brother printer drivers on a networked Windows® PC
BRAdmin Light	-	Print Server Management for Windows® and Mac OS® X 10.2.4 or greater
BRAdmin Professional	-	For LAN / WAN management
CONSUMABLES		
Standard Toner	TN-2130	Approx. 1,500 pages* †
High Capacity Toner	TN-2150	Approx. 2,600 pages* †
Drum Cartridge	DR-2125	Approx. 12,000 pages (1 page/job)
OTHERS		
Dimensions without Carton (WxDxH)	428 x 397 x 305 mm	
Weight without Carton	11.1 kg	
Power Consumption	Copying	Average 320W
	Standby	Average 75W
	Sleep	Average 12W

^ Brother#1 Std resolution, JBIG

* Optional free downloads available from <http://solutions.brother.com>

† ITU-T Test Chart, Standard Resolution, JBIG

‡ In accordance with ISO/IEC 19752



Brother strongly recommends the use of Genuine Brother consumable products only. Benefits include better quality prints, greater yields per consumable, protection of your machine from damages and achievement of optimum performance. As a precaution, please note that your machine warranty may not cover any damages arising from the use of non-genuine Brother consumables.



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