Professional A3 inkjet all-in-one printer

PRINT COPY SCAN FAX WIRELESS

MFC-J6977DW

Professional A3 inkjet all-in-one printer

Deliver ultra-fast print speeds and exceptional output quality with advanced scanning abilities. Engineered for high-demand environments, the MFC-J6977DW features high-capacity paper trays to support a wide range of media needs.

With robust security, and seamless compatibility with a wide range of solutions, it's the dependable choice for busy offices.

MFC-J6977DW

Key features:

- A3 print, scan and copy
- 2-Sided scanning up to 30 images per minute (ipm)
- Dual-band Wi-Fi (2.4 and 5GHz) and Gigabit Ethernet
- 3 x 250 sheet paper tray
- 100 sheet multi-purpose tray
- Compatible with Brother and 3rd party solutions
- Comes with 5,400 black, 3,900 colour ink cartridges
- Available under a managed print service (MPS) contract

Reliability with MAXIDRIVE

Brother's patented MAXIDRIVE print chip features advanced piezoelectric technology that ejects ink at high power allowing for faster printing with precision ink delivery. The automatic maintenance, durable components and premium pigment inks consistently produce vibrant colours and crisp, sharp text from your first page to your last.

Sustainability

We're proud to take meaningful steps toward reducing our environmental impact without compromising on performance. Our latest product features EPS-free packaging, making recycling easier and a new ink cartridge designed with remanufacturing in mind. The MFC-J6977DW has up to 4% lower CO_2 emissions compared to its predecessor and has been certified by Blue Angel.

Workflow

Designed with business efficiency in mind, this device helps streamline your workflow from start to finish. High-speed A3 scanning accelerates document processing and with BRAdmin's powerful network-based management tool, you can easily monitor and control your entire Brother fleet, keeping operations running smoothly.

Efficiency

Print for longer with ink that delivers up to 5,400 black and 3,900 colour pages and cartridges available which offer up to 12,000 black and 10,000 colour pages. The intelligent maintenance system ensures flawless reliability without hassle.

Make printing simple with Brother MPS

Brother's MPS supports you to get the best out of your devices. That's why the MFC-J6977DW has been designed with MPS in mind. Whatever your printing needs, we'll be "At your side" to find the solution that simplifies printer admin, saves time, keeps costs down, and helps you stay productive, with:

- **No long-term commitments**
- **Ink and toner delivery before you run out**
- **Quick breakdown support**
- **Easy supplies recycling**

Secure by design

Device security

Protect your business with advanced security features that minimise attack surfaces. Benefit from secure user access through LDAPS, active directory, and NFC authentication. Tools like secure function lock and setting lock help control user privileges. Intrusion detection, secure boot, and digitally signed firmware work together to safeguard system integrity.

Network security

Protect your network with industry-standard tools including intrusion protection, encrypted communication, and secure access via IEEE 802.1X. Centralised management and real-time syslog reporting ensure seamless integration with your security systems.

Document security

Keep sensitive data protected with encrypted transfer for printing and scanning, non-persistent memory that clears after each job, and secure print release to ensure documents only print when you're ready. Integration with Brother Solutions Interface helps streamline secure workflows.

576mm
510mm
445mm
572mm

Supplies
Ink cartridges

●●●●

LC527
1,300 BK, 900 CMY
LC527XL
3,000 BK, 2,000 CMY
LC528
6,000 BK, 5,000 CMY
LC528XL
12,000 BK, 10,000 CMY

Accessories
Cabinet

ZUNTMFCJ6900Z1
Cabinet

General

Technology
MAXIDRIVE Piezo inkjet technology with smart print head sensing automatically[10] maintains perfect ink flow for consistently sharp, reliable prints

Memory
1GB internal

Processor
960 MHz

Machine colour
Body: white
Control panel: grey

Control panel
8.8cm (3.5") colour touchscreen LCD

Local interface[18]
Hi-speed USB 2.0,
USB 2.0 host (front)

Wired network interface
GigE (10Base-T/
100Base-TX/1000Base-T)

Fax interface
Telephone line port external telephone answering device port (TAD)

Wireless network interface
2.4GHz: IEEE 802.11b/g/n
5GHz[17]: IEEE 802.11a/n (infrastructure mode),
vertical pairing

Wi-Fi Direct™
Print wirelessly[18] without having to use a wireless access point (both automatic and manual methods supported)

Configurable shortcuts
Add, delete, change up to 18 personalised shortcuts for quick and secure access to device functions

Print[9,22]

Print speed (A4)
31ipm

Print speed 2-Sided (A4)
22ipm

Print speed (A3)
Up to 14ipm

Print speed 2-Sided (A3)
Up to 14ipm

First print out time (FPOT)
4.6 seconds colour,
4.4 seconds mono, from ready mode and standard tray

Recovery time
Less than 0.4 seconds from sleep mode

Resolution
Up to 1,200 x 4,800 dpi (horizontal x vertical,
dots per inch)

Printer functions

Print head sensor
The print head sensor monitors 1,680 nozzles for alignment and paper feed accuracy, supporting precise user-initiated calibration[24] to maintain sharp, consistent print quality

Direct print
Print directly from the front USB host port using a USB flash memory drive. Supported formats include: PDF 2.0, JPEG

Header footer print[3,23]
Print the date, time, login user name, or custom text on your documents

N-up printing[3,23]
Reduce up to 2, 4, 9 or 16 pages into a single page

Poster printing[3,23]
Enlarge 1 A4 page into a poster using 4, 9, 16 or 25 A4 pages

Watermark printing[3,23]
Watermark your documents with predefined or user-defined text

Secure print[3,23]
Protect print jobs with a 4 digit release code required at the device in order for them to be printed

Reverse print[4,23]
Rotate the content of a printed document by 180°

Booklet print[4,23]
A4 duplex documents in A5 booklet format

Borderless print[4,23]
Eliminate margins, print up to the edges of A4 paper. Ideal for photos and full-page graphics

Driverless print compatibility

Windows modern print platform ready
Supports seamless, driverless printing via IPP for instant setup on Windows 10 (21H2+) and Windows 11 devices

Mopria™
Print common file types from supported Android mobile devices and Windows computers

Apple AirPrint
Print common file types from any AirPrint enabled application

ChromeOS™
Supports work with Chromebook printing

Our printers support driverless printing across Windows, macOS, iOS, and Android devices for instant, secure, and hassle-free setup.

Paper handling

Paper input[2]
standard tray 1, 2, 3
250 sheets

Multi-purpose tray
100 sheets

Automatic document feeder (ADF)
50 sheets

Paper output[2]
100 A4 sheets
50 A3 sheets

Media sizes
standard tray 1 - portrait
A3, A5, A6, legal, ledger, Mexico legal, India legal, folio, envelopes; C5, com-10, DL, monarch, photo (10 x 15cm), index card (13 x 20cm), photo-L (9 x 13cm), photo-2L (13 x18cm)

Standard tray 1 - landscape
A4, letter, executive

Standard tray 2, 3 - portrait
A3, legal, ledger, Mexico legal, India legal, folio

Standard tray 2, 3 - landscape
A4, letter

Multi-purpose tray - portrait
A3, A5, A6, legal, ledger, Mexico legal, India legal, folio, envelopes; C5, com-10, DL, monarch, photo (10 x 15cm), index card (13 x 20cm), photo-L (9 x 13cm), photo-2L (13 x 18cm), long paper (max length:1200mm)

Multi-purpose tray - landscape
A4, letter, executive

ADF
Width: 105 - 297mm
Length: 148 - 431.8mm
Long paper 900mm

Flatbed (scanner glass)
Width: up to 297mm
Length: up to 431.8mm

2-Sided print
A3, LGR, LGL, folio, A4, LTR, EXE, A5, Mexico legal, India legal

2-Sided copy
A3, LGR, LGL, Folio, A4, LTR, A5, Mexico legal, India legal

Direct print
standard tray 1 | multi-purpose tray
JPEG - A3, ledger, photo (10 x 15cm), photo-2L (13 x 18cm)
PDF - A4, letter, A3, A5, A6, legal, ledger, Mexico legal, India legal, folio

Standard tray 2, 3
PDF - A4, letter, A3, legal, ledger, Mexico legal, India legal, folio

Media weights
Standard tray 1
64 - 220gsm
Standard tray 2, 3
64 - 120gsm
Multi-purpose tray
64 - 220gsm
Auto 2-Sided print
>A4 64-90gsm
A4 or less 64 - 120gsm
ADF
64 - 120gsm

Media types
Standard tray 1
Plain paper, recycled paper, inkjet paper, envelope, glossy paper
Standard tray 2, 3
Plain paper, recycled paper
Multi-purpose tray
Plain paper, recycled paper, inkjet paper, envelope, glossy paper
Auto 2-Sided print
Plain paper, recycled paper
ADF
Plain paper, recycled paper
Direct print
JPEG - plain, recycled, inkjet, glossy
PDF - plain, recycled

Paper sensors
Document scan size sensor

Copy[10]

Copy speed
Up to 25 copies per minute (cpm) mono,
16cpm colour

Copy speed 2-Sided
Up to 18cpm mono,
13cpm colour

Resolution
Print up to 1,200 x 4,800dpi
Scan up to 600 x 600dpi (flatbed), 300 x 600dpi (ADF)
(horizontal x vertical, dots per inch)

Copy media sizes
Width: up to 291mm

FCOT
6 seconds colour, 5 seconds mono from ready mode and standard tray

Copy functions

Multi-copying
Ensures that your copies are organised in the correct order, making it easier to manage large documents. Makes up to 999 copies of each page

Enlargement/ reduction ratio
Reduce or increase document sizes from 25% to 400% in 1% increments

N in 1 copying
Allows the user to compress 2 or 4 pages on to a single A3 or A4 sheet

Fit to page
Scales the copied image so that it fits neatly onto the size of the paper

Poster copy
Enlarge a single original document and print it over several pages
(3 x 3, 2 x 2, 1 x 2)

Copy preview
The contents of the copied image can be checked before printing

Enhancement book copy
Reduces dark shadows near the book's spine when copying from bound documents, producing clearer, more even copies

Watermark copy
Print semi-transparent text across the copied page to mark or identify the document's status

Scan[11]

Scan speed standard
(2-Sided, images per minute)
A4 colour and mono - portrait up to 30ipm, landscape up to 24ipm
A3 colour and mono - up to 17ipm

Optical scan resolution
(Horizontal x vertical, dots per inch)
ADF
Up to 600 x 600dpi (mono),
300 x 600dpi (colour)
Flatbed
Up to 1,200 x 2,400dpi (mono),
1,200 x 1,200dpi (colour)

Interpolated scan resolution[22]
Up to 19,200 x 19,200dpi

Scanner type
Dual CIS (contact image sensor)

Colour depth
48 bit colour processing (input)
24 bit colour processing (output)

Grey scale
256 levels (8 bit)

Scan media sizes
ADF Width: 105 - 295mm
Length: 148 - 429.8mm
Flatbed (scanner glass)
Width: up to 295mm
Length: up to 429.8mm

Scanner functions

Windows[5]
TWAIN & WIA

Macintosh
AirPrint scanning
macOS 10.14.x or greater

Linux[5]
SANE (32 & 64 bit editions)

ChromeOS™
Supports integrated Chrome OS scanning functionality

Machine file formats
Including PDF (PDF/A, multi-page PDF), JPEG, B&W TIFF

Standard machine functions[7]
Scan to USB, e-mail, OCR, image and file

Network scanning
Scan to network folder (SMB)[4], SFTP, email server, SharePoint (on premise)[4,7]

Machine scanning features
Auto deskew from ADF, background colour drop, auto crop[4], blank page removal

Scan profile
Create up to 5 preset network profiles for an easy way to store multiple scan settings

Direct scan
Scan directly to a USB flash memory storage

Scan preview
The contents of scan to FTP, network, email server, can be checked before sending to destination

Scan margin
Setting the scan margin to 0mm removes the default 3mm margin, allowing the scanned image to capture the entire document without any border

Document reminder
Alerts the user when a scanned or copied document may have been left behind on the flatbed scanner glass

Fax

Fax modem
33,600bps (Super G3)

Transmission speed
Approx. 3 sec (ITU-T testchart document No.1, standard resolution)
quick-scan approx. 3.37 sec/page

Automatic 2-Sided faxing
Scans and faxes documents using the ADF

Fax send resolution
Standard mono resolution: 203 x 98dpi up to 203 x 392dpi
Standard colour resolution: 203 x 196dpi (horizontal x vertical, dots per inch)

Grey scale
8 bit (256 shades) available for mono faxing 24 bit (8 bit per colour/256 shades) for colour faxing

Memory transmission | out of paper reception
Up to 150 pages (ITU-T test chart, standard resolution)

Compression methods
Ranging from basic to advanced mono: MH, MR, MMR
colour: JPEG

Fax functions

PC-fax send[7], receive[4,7]
Send and receive mono faxes directly from your PC or network

Internet fax (I-fax)
Fax documents over the internet as an email attachment

Distinctive ring detection
An external service for UK and Denmark that allows two or more telephone numbers shared on a single fixed line and use different ring tones

Batch transmission
Stores mono documents in the same location in the machines memory for transmission in a single call

Auto reduction
When receiving a single page document longer than A4 (297mm) the fax machine will automatically reduce the message to fit onto a single A4 sheet

Broadcasting
Send the same fax message to up to 100 locations (manual 50 locations)

Fax forwarding
Sends a mono fax received in memory to another pre-programmed fax number

Remote retrieval
Allows users to remotely access their machine and retrieve stored mono fax messages

Station ID
An ID and fax number will be printed as the header of every fax sent

PBX
Enables seamless fax operation in office environments by supporting PBX phone systems

Connectivity

Microsoft Universal Print
Organisations can manage their brother print infrastructure through cloud services from Microsoft

Brother Mobile Connect[7]
A Brother app to print from, copy preview and scan to a mobile device running iOS or Android operating system

Brother Connect Advanced[16,17]
An enhancement within the Brother Mobile Connect app that lets you remotely print, scan, and manage your printer from virtually anywhere using your Brother account

Brother Print Service Plugin[5]
Print from Android devices without a dedicated App

Brother apps[12]
Cloud secure print, scan to; mobile, searchable PDF, Microsoft PowerPoint, Word, Excel, easy scan to email, and fax forward to cloud/email

Web connect[12,16]
Without a PC you can download to print and upload from scan and fax for box, Microsoft SharePoint Online, dropbox, Evernote, OneDrive, Google Drive™, OneNote

Email print[12,16]
Enables driverless printing via email

Fleet management tools[5]

BRAdmin[4]
LAN/WAN management software

Embedded web server
Using the IP address or node name of your device access via USB or network via a web browser to the web based print management software embedded onto the device using an randomly encrypted password

Mass deployment tool[4]
Provides a configuration interface to help manage and deploy device settings

Software[5]

Brother iPrint&Scan
Print from, scan to, send faxes, preview received faxes, preview copies and check the machine status from Windows or macOS PC using Brother software

Print support app[4]
As an alternative to Windows modern print this method enhances compatibility and ease of use by enabling printing without traditional printer drivers, making it a versatile and efficient solution for modern printing needs accessible through the Microsoft store

Visit support.brother.com for the full list of supported OS and to download the latest software All trademarks, brand and product names are property of their respective companies

Legacy print drivers[22]

PCL driver[4]
Generic PCL XL driver

Universal printer driver[4]
BR-Script3 driver that enables printing to any network or locally connected Brother inkjet printer that supports PostScript

Print emulations
PCL6, BR-script3

Embedded fonts (PCL)
73 scalable fonts, 12 bitmap stored in firmware and can be used when printing via the PCL (printer command language) print emulation

Embedded fonts (BR-script)
66 scalable fonts stored in firmware and can be used when printing via the BR-script print emulation.

Embedded barcodes (PCL)
16 bar codes fonts - 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,B,C), EAN128 (set A,B,C), code93, GS1databar, MSI

Linux
Printer driver (Linux, CUPS, LPD/LPRng)

Network security

Wired network security
APOP, SMTP-AUTH, SSL/TLS (IPP, HTTP, SMTP, POP3, IMAP4, FTP, LDAP), SNMP v3, 802.1x (EAP-MD5, EAP-FAST, PEAP, EAP-TLS, EAP-TTLS), OAuth 2.0 (SMTP, POP3, IMAP4), kerberos, IPsec

Wireless network security
WEP 64/128bit, WPA-PSK (TKIP/AES), WPA2-PSK (TKIP/AES), WPA3-SAE (AES), APOP, SMTP-AUTH, SSL/TLS (IPP, HTTP, SMTP, POP3, IMAP4, FTP, LDAP), SNMP v3, 802.1x (EAP-FAST, PEAP, EAP-TLS, EAP-TTLS), OAuth 2.0(SMTP, POP3, IMAP4), kerberos, IPsec, Wi-Fi protected setup (WPS)[13]

IPv4
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 client and server, SNMPv1/v2c/v3, TFTP client and server, POP3/IMAP4/SMTP client, ICMP, web services (print/scan), CIFS client, SNTP client, LDAP/LDAPS, HTTP/HTTPS server, syslog

IPv6
NDP, RA, mDNS, LLMNR responder, DNS resolver, LPR/LPD, custom raw port/Port9100, IPP/IPPS, FTP client, FTP server, SNMPv1/v2c/v3, TFTP client and server, web services (print/scan), POP3/IMAP4/SMTP client, CIFS client, SNTP client, LDAP/LDAPS, ICMPv6, HTTP/HTTPS server, syslog

IP filter
Restrict which network users can or cannot access the device over the network

Security features

E-mail notifications
Automatically have the device send e-mail alerts when it requires attention, such as when the ink is low or needs replacing

E-mail reports
Receive usage reports on a regular basis via e-mail

Secure boot
All Brother print devices are secure by design. Devices automatically recognise security attacks and take preventative measures, including rebooting where necessary, in order to ensure the device remains secure

Digitally-signed firmware
The firmware for Brother print & scan devices is digitally signed and secure

Active directory/LDAP authentication
Utilise existing infrastructure to restrict access to Brother devices using AD/LDAP. Staff can easily use their existing network login credentials to authenticate

Storage encryption
Protects data at rest e.g fax data, address book, user shortcuts, network configuration by encrypting the internal storage

Restrict network protocols
The network access control feature allows an administrator to restrict communication protocols (e.g. FTP, telnet) as required

Physical interface restriction
Secures access by disabling specific physical interfaces directly from the embedded web server (EWS)

Secure function lock 3.0
Use a 4 digit pin or password to identify and authenticate an individual or groups of users over a network. Allows access control with username for up to 100 users

Cloud secure print[12]
Enables password protected driverless print job release

Firmware updates[12]
In addition to allowing automatic updates to the latest version the printer can be set to not receive older firmware versions to avoid downgrade by an unauthorised user

Syslog
Allows IT Admin to access a single application (SIEM tool) to get device status updates for audit purposes over syslog

Secure key management
Use the default standard self-signed, create a custom self-signed certificate, certificate signing request (CSR), or import certificate & private key for protected network communcation

Near-field communication (NFC)

NFC card reader
Supports secure user authentication via NFC card reader for access control, and enables personalised workflows through NFC shortcut configuration. Third-party card reader support requires additional purchase and can be connected to the front USB host and registered via the embedded web server

Integrated support for NFC
include: (ISO14443 Type A) MIFARE standard/plus/ultralight/ultralight C/DESfire/my-d move (ISO15693 Type B) tag-it

External NFC card reader support
RFIDeas pcProx enroll - RDR-6081AKU; RDR-6281AKU; RDR-6381AKU; RDR-6E81AKU; RDR-6H81AKU
RFIDeas AIR ID enroll - RDR-7081AKU; RDR-7581AKU; RDR-7F81AKU
Elatec - TWN3 MIFARE; TWN3 MIFARE NFC; TWN3 Multi ISO; TWN4 MIFARE NFC

Address book	**Speed dials** 100 locations for e-mail addresses and fax numbers	**Group dial** A combination of up to 6 groups can be stored	**LDAP** The ability to connect to an external LDAP enabled address book, like Microsoft Exchange

Developers	**Brother Solutions Interface (BSI)** Create powerful cloud and on premise solutions directly integrating the advanced print, scan and security capabilities of Brother devices **For more information visit: https://atyourside.brother.co.uk/developer-centre**

Supplies, upgrades and accessories[1]

In-box cartridge
1 x 5,400 pages (BK)
3 x 3,900 pages (CMY)

Standard cartridge
LC527
1 x 1,300 pages (BK)
3 x 900 pages (CMY)

High yield cartridge
LC527XL
1 x 3,000 pages (BK)
3 x 2,000 pages (CMY)

Super high yield cartridge
LC528
1 x 6,000 pages (BK)
3 x 5,000 pages (CMY)

Ultra high yield cartridge
LC528XL
1 x 12,000 pages (BK)
3 x 10,000 pages (CMY)

New design simple cartridge with improved recyclability

Carton contents
Machine, in-box cartridges, power supply cord, quick set-up guide, warranty card, (PC interface cable NOT included)

Optional cabinet
Brother professional ZUNTMFCJ6900Z1 inkjet floor standing printer cabinet

Page guage
On-screen display which monitors the ink cartridges. A single, automatic ink charge at initial setup readies the print head for dependable, high-quality printing

Dimensions and weights

Printer without carton (WxDxH)
576 x 510.6 x 445mm - 27.6kg inc. ink

Printer with carton (WxDxH)
681 x 616 x 574mm - 33.8kg

Optional cabinet without carton (WxDxH)
572 x 427 x 700mm - 18.8kg

Optional cabinet with carton (WxDxH)
680 x 645 x 187mm - 21.9kg

Duty cycle	**Recommended monthly**	**Maximum monthly[6]**
	250 to 3,500 pages monthly print volume	Up to 40,000 pages monthly print volume

Environment

Power requirement
AC 220-240 V, 50/60 Hz, 0.5 A

Power consumption[14]
Printing: 27W
Copying: 35W
Ready: 6.0W
Sleep: 0.9W
Networked standby: 1.8W
Power off[10]: 0.03W

Sound pressure[15]
Printing 54.5dbA

Sound power[15]
Printing mono 6.89BA, colour 6.77BA

Auto power off
Complies with ecolabel standards; enters low-power mode after 20 min (default, adjustable via control panel)

TEC value
0.13 kWh/week

Operating environment
Humidity 20 - 80%
Temp 10° - 35° centigrade
50° - 95° fahrenheit

Computer platforms

Windows
Windows 11 (Home | Pro | Education | Enterprise)
Windows 10 (Home | Pro | Education | Enterprise)
(32 or 64 bit editions)
Windows server
2025, 2022, 2019, 2016

Macintosh[19]
macOS 13 or greater

Linux
Supported package management system[21]:
dpkg, rpm

ChromeOS™
Compatible with Chromebooks, including "Works with Chromebook" certified printing support and integrated Chrome OS scanning functionality

Disk space requirements

80MB - Windows drivers only
2GB - Windows 11, 10, applications inc drivers

500MB - macOS applications
20MB - Linux drivers only

Visit support.brother.com for the full list of supported OS and to download the latest software.
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Certification

Blue Angel

Nordic Swan

GS Mark

AirPrint

Wi-Fi certified
Wi-Fi Direct, Wi-Fi protected setup, WPA3™ - enterprise, personal

Morpria certified
Ensures universal compatibility for driverless printing across Windows, Android, and compatible mobile operating systems

Working with you for a better environment
At Brother, our green initiative is simple. We strive to take responsibility, act respectfully and try to make a positive difference to help build a society where sustainable development can be achieved. We call this approach Brother Earth.
www.brotherearth.com