# Professional colour multifunction A3 inkjet printer

## MFC-J6945DW

www.brother.co.uk/x-series

# Professional colour multifunction A3 inkjet printer

**The MFC-J6945DW offers A3 print, scan and copy all in one inkjet device. With the option to use high yield inks giving you up to 6,000 pages, which not only saves you time and money, but improves efficiency in the workplace.**

## MFC-J6945DW

## Key Features:

- High yield cartridges up to 6,000 pages[1]
- Fast print speeds of up to 22 images per minute (ipm)[8]
- Fast first print out time of under 6 seconds[9]
- 2 paper trays as standard holding 250 sheets each[2]
- Automatic 2-sided printing
- Wired and wireless connectivity
- 50 sheet auto document feeder (ADF)[2]
- Quick and secure print using integrated Near-Field Communication (NFC)
- Easy to use 9.3cm colour touchscreen

### Inkjet now means business

Get further support for your office with the MFC-J5945DW 4-in-1 inkjet A3 printer. Offering automatic 2-sided A3 print, scan and copy, this device is high perfomance, professional and offers business features with low total cost of ownership. For total office support - think business ink.

### Keep printing for longer

With a high paper capacity of 500 sheets as standard, you can spend your time focusing on your business rather than refilling the paper tray. The versatile 100 sheet multi-purpose (MP) tray allows you to use media up to 230gsm and supports quick and cost effective A3 and A4 colour printing.

### Business features from an inkjet printer

With a host of business features and functions, the MFC-J6945DW offers quick and secure printing directly from your mobile using NFC. Set up fast scan options with the intuitive user interface allowing you to scan directly to your favourite office applications. The 9.3cm colour touchscreen features a page gauge function allowing you to keep track of your ink level usage.

### Keep an eye on costs

Printing doesn't have to be expensive, and with this device we have ensured you get good value with a low total cost of ownership and unbeatable cost per page by using the optional high yield inks giving you up to 6,000 pages[1]. They also have low emissions and use less energy, meaning your machine supports you while you support the environment.

## General

**Technology**
Inkjet

**Memory**
512MB

**Local interface**
Hi-Speed USB 2.0

**Wired network**
Built-in 10Base-T/100Base-TX

**Wireless network**
IEEE 802.11b/g/n
(Infrastructure Mode/
Ad-hoc Mode),
Vertical Pairing

**Wi-Fi direct™**
Print wirelessly without having
to use a wireless access point
(both automatic and manual
methods supported)

**Mobile print**
Print from your mobile devices
to your Brother printer

**Control panel**
9.3cm colour touchscreen LCD

## Print

**Print speed (A4)[8]**
22ipm mono and 20ipm colour

**Resolution**
4,800 x 1,200dpi

**First print out time[9]**
5.5 seconds mono
6 seconds colour

**Warm up time**
0 seconds

**Quiet mode**
Further reduce the noise of
printing by restricting the
print speed

**Print languages**
PCL6, BR-Script3
(PostScript®3™ Language
Emulation), PDF Version 1.7,
XPS Version 1.0

**Embedded fonts (PCL)**
73 scalable fonts,
12 bitmap fonts

**Embedded fonts (Postscript)**
66 scalable fonts

**Embedded barcodes (PCL)**
16 barcodes*
*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)
Code93, GS1Databar, MSI

## Printer functions

**N-up printing[3]**
Reduce up to 2, 4, 9, 16
or 25 A4 pages into just
one A4 page
(Mac, up to 2, 4, 6, 9, or 16)

**Booklet printing[4]**
Print documents in A5 booklet
format using automatic or
manual 2-sided print

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

**Watermark printing[4]**
Watermark your documents
with predefined text or with your
own user-defined messages

**Print profiles[3]**
Store your favourite driver
settings as profiles to easily
recall them

**Print text in black[4]**
Converts all text in your
documents to black when
printed

**Manual 2-sided print[4]**
Manual 2-sided printing
(recommended for media not
supported by automatic
2-sided print)

**ID printing[4]**
Add identification to your
printed documents
(date and time, short custom
message or PC username)

## Printer driver[5]

**Windows®**
Windows 7, 8, 8.1, 10,
Server 2008 & 2008 R2,
Server 2012 & 2012 R2

**Mac**
OS X 10.9.x, 10.10.x, 10.11.x
macOS 10.12.x, 10.13.x

**Linux**
CUPS, LPD/LPRng

## Paper handling

**Paper Input[2]**
Standard tray - 250 sheets
Lower tray - 250 sheets
Multi purpose tray - 100 sheets

**ADF**
Yes - 50 sheets

**Paper output[2]**
100 sheets

**Media type and weights standard tray**
Plain, inkjet, glossy, recycled 64-220g/m$^2$

**Media sizes standard tray**
A4, LTR, EXE, A3, LGR, LGL, folio, A5, A6, photo (10x15cm), indexcard (13x20cm), photo-L (9x13cm), photo-2L (13x18cm), com-10, DL envelope, monarch, C5, Mexico legal, India legal

**Media type and weights lower tray**
Plain, recycled 64-120g/m$^2$

**Media sizes lower tray**
A4, LTR, A3, LGR, LGL, folio, Mexico legal, India legal

**Media type and weights MP tray**
Plain, inkjet, glossy, recycled 64-220g/m$^2$

**Media sizes MP tray**
A4, LTR, EXE, A3, LGR, LGL, folio, A5, A6, photo (10x15cm), indexcard (13x20cm), photo-L (9x13cm), photo-2L (13x18cm), com-10, DL envelope, monarch, C5, Mexico legal, India legal

**Media type and weights ADF**
Plain and recycled paper (64-90g/m$^2$)

**Media sizes ADF**
Width: 105 to 297 mm, Length: 148 to 431.8 mm

**Envelope printing**
Yes, from the MP tray

## Mobile and web connectivity

**Brother iPrint&Scan[5] (Android)**
Print and scan, send faxes, preview received faxes, preview copies and check machine status

**Brother iPrint&Scan[5] (iPad / iPhone / iPod)**
Print and scan, send faxes, preview received faxes, preview copies and check machine status

**Brother iPrint&Scan[5] (Windows Phone)**
Print and scan

**Brother Print&Scan[5] (Windows 8,10 & RT)**
Print and scan

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

**Google Cloud Print 2.0**
Print most common file types from any Google Cloud Print enabled application

**AirPrint**
Print most common file types from any AirPrint enabled application

**Mopria**
Print most common file types from Mopria supported Android devices

## NFC / card reader support

**Integrated NFC reader**
Supports both NFC cards for secure authentication with pull-print solutions like Brother PrintSmart Pro and Android NFC devices for mobile print and scan. Supported NFC standards include: MIFARE Standard/Plus/Ultralight/Ultralight C/DESfire (ISO14443 Type A), my-d move (ISO14443 Type A), Tag-it (ISO15693)

**External NFC card reader support**
Support for external NFC readers via the rear USB port.
Supported card readers include:
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, Mifare NFC1, Multi ISO
Elatec TWN4 Mifare NFC

Note: third party card readers require additional purchase. Other card readers supported if registered via the web interface

## Copy

**Copy speed (A4)[10]**
15ipm mono and 11ipm colour

**First copy out time[10]**
6 seconds mono and colour from ready mode

**Resolution**
600 x 600dpi

**Multi-copying/stack/sort**
Makes up to 999 copies of each page / stacks or sorts

**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 A4 sheet

**2 in 1 ID copying**
Allows the user to copy both sides of an ID card to a single A4 sheet

## Scan

**Scanner type**
Contact image sensor

**Colour and mono scanning**
Yes

**Scan speed**
A4 portrait: 18ipm mono and colour
A4 landscape: 11ipm mono and colour
A3: 8ipm mono and colour[11]

**Duplex scan speed**
A4 portrait: 36ipm mono and colour
A4 landscape: 22ipm mono and colour
A3: 16ipm mono and colour[11]

**Scan resolution from ADF**
Up to 600 x 600dpi

**Scan resolution from scanner glass**
1,200 x 2,400dpi

**Interpolated scan resolution**
19,200 x 19,200dpi

**Colour depth**
Colour processing (input) 48 bit
Colour processing (output) 24 bit
Greyscale processing (input) 16 bit
Greyscale processing (output) 8 bit

## Scanner functions

**Scan to USB**
Scan to connected USB storage (up to 256GB)

**Scan to file**
Scan to a file on your computer

**Scan to OCR**
Scan directly into your word processing application for instant editing

**Scan to image**
Scan into your preferred image editing software

**Scan to e-mail**
Scan and e-mail documents

**Scan to e-mail server**
Scan and share a document via e-mail server

**Scan to FTP / SFTP**
Scan a document directly to a FTP / SFTP server

**Scan to network folder**
Scan a document directly to a network folder without requiring a computer

**Scan to SharePoint**
Scan a document directly into SharePoint

**Scan to web[12]**
Scan a document directly to a cloud service

**Scan profiles[3]**
Create up to 25 preset profiles for an easy way to store multiple scan settings

**Other scan features:**
Duplex scan
Scan to Microsoft Office[12]
ADF auto deskew
Auto crop
Multi-page scan to single PDF file
Blank page skip
Base colour removal
ID scan[7]
1 to 2 scan[7]

## Scanner drivers[5]

**Windows®**
TWAIN, ISIS & WIA
Windows® 10
Windows® 8
Windows® 7

**Mac**
TWAIN & ICA
OS X 10.9.x, 10.10.x, 10.11.x
macOS 10.12.x, 10.13.x

**Linux**
SANE

## Fax

**Fax modem**
33,600bps (Super G3)

**PC fax send[3]
and receive[4]**
Send and receive faxes directly
from your PC

**Memory transmission**
Up to 180 pages
(ITU-T Test Chart,
Standard Resolution, JBIG)

**Out of paper reception**
Up to 180 pages
(ITU-T Test Chart,
Standard Resolution, JBIG)

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

**Error correction mode (ECM)**
The MFC will detect line errors
during fax transmission and
resend the page(s) of the
document that had an error
(recipient machines must share
this feature for it to work)

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

**Broadcasting**
Send the same fax message up to
250 locations

**Colour depth**
Grey scale: 8 bit (256 shades)
Colour: 24 bit (16,777,216 colours)

## 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:
www.brother.eu/developers

## Fleet management tools

**Unattended installer[4]**
Ability to centrally deploy and
customise our drivers and
software

**MSI installer[4]**
Modular installers that can
be distributed through Active
Directory®

**BRAdmin
Light/Professional[4&5]**
Device management
software

**Embedded web server**
Web-based embedded device
management

**Driver Deployment Wizard[4&5]**
Create print drivers for easy
deployment over the network

**PrintSmart Cost Control**
Monitor and control printing
costs for Brother and
third party devices.

For more information on
PrintSmart Solutions visit:
www.brother.eu

## Software[5]

**Brother iPrint&Scan
(Windows and Mac)**
Print, scan and check machine
status from Windows or macOS

**Nuance PaperPort 14 SE**
Document management and
sharing program

**Brother Control Centre 4
for Windows**
Easy access to many functions
such as scan, photo print
and PC-Fax directly from your
computer

## Security and network

**Wired network**
10Base-T/100Base-TX

**Wired network security**
APOP, SMTP-AUTH, SSL/TLS (IPPS, HTTPS,FTPS, SMTP, POP3, IMAP4), SNMP v3 802.1x (EAP-MD5, EAP-FAST, PEAP, EAP-TLS, EAP-TTLS), Kerberos, IPsec

**Wireless network**
IEEE 802.11b/g/n (Infrastructure Mode)
IEEE 802.11g/n (Wi-Fi Direct)

**Wireless network security[13]**
WEP 64/128 bit, WPA-PSK (TKIP/AES),
WPA2-PSK (TKIP/AES)
APOP, SMTP-AUTH, SSL/TLS (IPPS, HTTPS,FTPS, SMTP, POP3, IMAP4), SNMP v3, 802.1x (LEAP, EAP-FAST, PEAP, EAP-TLS, EAP-TTLS), Kerberos, IPsec

**Wi-Fi direct™**
Print wirelessly without having to use a wireless access point (both automatic and manual methods supported)

**Wireless setup support**
Wi-Fi Protected Setup (WPS)

**Wireless applications**
Vertical Pairing

**IPv4**
ARP, RARP, BOOTP, DHCP, APIPA(Auto IP), WINS/NetBIOS name resolution,
DNS Resolver, mDNS, LLMNR responder, LPR/LPD, Custom Raw Port/Port9100, IPP, FTP/FTPs Client FTP Server, SNMPv1/v2c/v3, TFTP server, SMTP Client, ICMP,
Web Services (Print/Scan), CIFS Client, SNTP Client, POP3, LDAP, IMAP4, HTTP Server

**IPv6**
NDP, RA, mDNS, LLMNR Responder, DNS Resolver, LPR/LPD, Custom Raw Port/Port9100, IPP, FTP/FTPs Client FTP , SNMPv1/v2c/v3 , TFTP server, Web Services (Print/Scan), SMTP Client, POP3, CIFS Client, SNTP Client, LDAP, IMAP4, ICMPv6, HTTP Server

**IP filter**
Restrict which network users can access the device over the network (IPv4 only)

**E-mail notifications**
Automatically configure the device to send e-mail alerts when it requires attention, such as when the toner is low or needs replacing

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

**Setting lock**
Secure access to the device control panel by locking it

**Secure Function Lock 3.0**
Restrict access to individual or groups of users. Can be used with PC User login names for up to 100 users

**Secure print**
Protect print jobs with a four digit release code required at the device in order for them to be printed

## Supplies and accessories

**Ink cartridges[1]**
High yield cartridges
LC3237BK - 3,000 pages
LC3237C - 1,500 pages
LC3237Y - 1,500 pages
LC3237M - 1,500 pages

Super high yield cartridges
LC3239BK - 6,000 pages
LC3239C - 5,000 pages
LC3239Y - 5,000 pages
LC3239M - 5,000 pages

Note product is shipped with LC3237 cartridges

## Dimensions and weights

**With carton (WxDxH)**
681 x 576 x 504 mm - 28.7kg

**Without carton (WxDxH)**
575 x 477 x 379mm - 24.2kg

## Duty cycle

**Recommended monthly[6]**
250 to 2,000 pages monthly print volume

**Maximum monthly[6]**
Up to 30,000 pages monthly print volume

## Environment

**Power consumption[14]**
Networked standby: 2.2W
Copying: 29W
Ready: 6.5W
Sleep: 1.6W
Power off: 0.04W

**Sound pressure level**
50dB(A)

**Sound power level**
Mono: 6.73B(A)
Colour: 6.68B(A)

**Ink save mode**
This reduces ink usage and helps to reduce the total cost of printer ownership

**Energy Star**
Yes

**Blue Angel**
Yes

**Nordic Swan**
Yes

**GS Mark**
Yes

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1 Approx declared yield value in accordance with ISO/IEC 24711.
2 Calculated with 80g/m² paper.
3 Windows® & Mac® only.
4 Windows® only.
5 Available for download.
6 Number of printed pages per month 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 exceeds your print requirements.
7 Requires Brother software.
8 Based on ISO/IEC 24734.
9 Based on ISO/IEC 17629.
10 Based on ISO/IEC 24735.
11 Based on ISO/IEC 17991.
12 Requires an internet connection.
13 Wi-Fi Direct supports WPA2-PSK (AES) only.
14 All value are approximate; power consumption varies depending on the usage environment or part wear.

### 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**

Brother Earth

brother
at your side

CD2741