MB451dn/MB451dnw Specifications

OKI

Amazing value multifunction printer with automatic double sided copy, print, scan and fax

The MB451dn all-in-one printer delivers amazing value with its unrivalled fusion of performance, functionality and price. It's a 29 pages per minute (ppm) network printer with flexible media handling and an automatic duplex unit built-in to save paper. Unusually at this price point the MB451dn has a Reverse Automatic Document Feeder (RADF), powerful image processing and a large memory for fast copying, scanning and faxing of double sided documents. And with dedicated function buttons, speed dialling to send faxes and a graphic display it's really easy to use.

For added versatility the MB451dnw model offers wireless connectivity allowing your multifunction printer to be placed anywhere it's convenient.

When fax functionality is a must, the MB451dn is the perfect device for the lower print volume requirements of the personal user, micro business or small office.

Outstanding features to support your business needs

- Automatic double sided copying, printing, scanning and faxing, all-in-on desktop device
- Fast printing up to 29ppm with the first page delivered in just 5 seconds
- Efficient faxing with 16 One Touch keys and 100 speed dials plus a 200 page memory makes sure faxes are always received

- Multipurpose tray for printing on a variety of media sizes and weights
- Network ready to make sharing easy
- Sharp, clear mono copying, printing, scanning and faxing using digital LED technology
- Scan colour or mono documents directly to USB, Computer, Network or anyone with an email address
- Low cost 1.5k or high capacity 2.5k toner cartridges

Functionality to improve your productivity and workflow

- 50 sheet RADF handles multi-page, single and double sided documents with ease
- Powerful image processing and a large 256MB memory make copying fast and realistic
- First copy appears in less than 11 seconds
- Print directly from or scan directly to a USB stick
- Intuitive menus and controls with one touch function buttons and 3.5" LCD display for simple user interface
- LDAP direct access to contact and email data from an existing server directory
- USB and network TWAIN scanning (PC and Mac)
- Fax documents directly from your PC

Improving efficiency and reducing environmental impact

- Consolidation of multiple devices into one reduces energy usage and cost
- Save energy with Eco Mode, Deep Sleep Mode and Auto Power Off functions
- Reduce toner usage with Toner Save function

Printing on the move with mobile printing

- Print effortlessly from your smartphone or tablet. This printer is compatible with AirPrint by Apple Inc, Cortado Workplace and ePrint by Microtech Corp, enabling you to print where ever you are, without having to connect directly to a printing device

Useful utilities that help you control and manage your printing

- PrintSuperVision for monitoring, reporting and managing networked printers or multifunction printers in real-time
- Print Job Accounting provides visibility of your print usage allowing you to control print costs across your business

A4	✔
Mono	✔
Duplex print, copy, scan, fax	✔
Prints A6 to 1321mm, up to 160gsm	✔
1 – 5 users	✔

Variants available:
MB451dn
duplex, networked
MB451dnw
duplex, networked, wireless

3 YEAR WARRANTY
www.oki.co.uk/warranty

MB451dn/MB451dnw - Mono Multifunction Printers

Printer

Print speed	**A4:** 29ppm mono
Time to first print	5 seconds or less
Warm up time	Up to 60 seconds from power on and up to 25 seconds from power save
Processor speed	330MHz

Scanner

Optical Resolution	600 x 600dpi
Speed	Up to 10ppm colour, up to 37.5ppm mono
Colour depth	Input 48-bit / Output 24-bit
Document input	50-sheet Reverse Automatic Document Feeder (RADF), flatbed scanner
Contrast	7 Levels
Format	M-TIFF, JPEG, XPS, PDF, Secure PDF + (BMP, PCX, GIF, TGA, PNG, WMF, EMF from Actkey Utility)
Addressbook	LDAP, 100 email addresses, 20 group addresses
Scan to	FTP, HTTP, USB memory, Email, TWAIN, CIFS and Scan to Application and Fax from Actkey Utility

Copy

First copy out	Less than 11 seconds
Speed	Up to 29cpm
Resolution	Up to 600 x 600dpi
Reduction / Enlargement	Zoom 25-400%
Maximum copies	99

Fax

Connectivity	RJ11 x 2 (Line/Tel), PSTN, PBX Line
Speed	ITU-T G3(Super G3) up to 33.6kbps, upto 2 seconds/page
Fast dialling	16 one touch dials (8 x 2 using shift key), 100 speed dials
Groups	Up to 20
Broadcast	Maximum 100
Page memory	4MB (approx. 200 pages transmit and receive)

Operator Panel

LCD Panel	**Single simplified white backlit graphics panel:** 84.1mm (W) x 33.6mm (H); **Resolution:** 320x128 dots
Keypad	12 alpha/numeric keys, 4 main function buttons (Copy, Scan, Print, Fax), Color & Mono Start, Status, Setting, Help, 6 main navigation buttons (Back, Up, Down, Left, Right, OK), Clear, Stop, Power Save, Reset/Log Out, 8 keys and a Shift Key to provide 16 One Touch dial keys (Fax)

Paper Handling

Paper capacity	**Tray 1:** 250 sheets of 80gsm; **Multi-purpose tray:** 100 sheets of 80gsm; **RADF:** 50 sheets of 80gsm
Maximum paper capacity	350 sheets of 80gsm
Paper sizes	**Tray 1:** A4, A5, B5, A6; **Multi-purpose tray:** A4, A5, B5, A6, Envelopes (C5, C6, DL, Com-9, Com-10, Monarch), Custom Size (up to 1321mm length including banners); **Duplex:** A4, B5; **RADF:** A4, B5, A5, A6 (Simplex only)
Paper weight	**Tray 1:** 60 to 120gsm; **Multi-purpose tray:** 60 to 160gsm; **Duplex:** 60 to 120gsm; **RADF:** 60 to 105gsm
Duplex	Standard
Paper output	**Face Down:** 150 sheets of 80gsm

Print Quality

Resolution	2400x600dpi, 1200x600dpi, 600x600dpi

Interface and Software

Connectivity	10/100 TX Ethernet, USB 2.0 Device IF, USB 2.0 Host IF
Printer languages	PCL6 (XL3.0), PCL5e, PostScript 3 (emulation), SIDM (IBM-PPR, EPSON-FX)
Network & protocols	**MB451dn, MB451dnw:** All major network protocols supported via ethernet card with internal web server for printer and network card set-up and management. TCP/IPv4&v6, SMTP, POP3, HTTP, SNMPv1&v3, DHCP, DNS, LPR, Port9100, BOOTP, ARP, FTP, CIFS, LDAP, SLP, Bonjour. NetWare, EtherTalk, NetBEUI, LLTD, Web Service on Devices, AirPrint **MB451dnw:** Wireless LAN Protocol (IEEE802.11b, IEEE802.11g, IEEE802.11n, Infrastructure Mode, WEP, WPA(TKIP), WPA2(AES), WPS-PBC, WPS-PIN, Open system authentication, Shared key authentication, IEEE802.1x authentication)
OS Compatibility[1]	Windows XP (32-bit & 64-bit) / Server 2003 (32-bit & 64-bit) / Server 2008 (32-bit & 64-bit) / Server 2008 R2 (64-bit) / Vista (32-bit & 64-bit) / 7 (32-bit & 64-bit); Mac OS X 10.4.0 - 10.7.2
Advanced networking & security	IP Filtering, MAC Filtering, SSL/TLS, EAP(IEEE802.1X), IPSec
Utility suite[1]	Template Manager[2&4], OKI LPR[2], PrintSuperVision.net[2&4], PrintSuperVision Java[4], Print Job Accounting[2&4], Print Job Accounting Client, Web Driver Installer[2&4], Network Card Setup, Configuration Tool[2], Actkey[2], PDF Direct Print[2], PS Gamma Adjuster
Document management	Nuance PaperPort SEv11[2], Nuance OmniPage SEv16[2]

Typefaces

Printer fonts	Scalable: 87 PCL Fonts and 136 PostScript fonts, PCL Bitmap fonts, OCR-A/B, USPS ZIP Barcode
Barcode	12 types of one dimension with 28 variations: UPC-A, UPC-E, EAN/JAN-8, EAN/JAN-13, Interleaved2of5, Code39, Code 128, EAN/UCC-128, CODABAR, ZIP+4POSTNET, Customer barcode, 1 type of two dimension: PDF417

General Features

Memory	**Standard RAM:** 256MB; **Maximum RAM:** 256MB
Environment	**Operating temperature/ humidity:** 10°C to 32°C (17°C to 27°C recommended)/ 20% to 80% RH (50% to 70% RH recommended)
	Storage temperature/ humidity: -10°C to 43°C/ 10% to 90% RH
Power supply	Single phase 220 to 240VAC, frequency 50-60Hz +/- 2%
Power consumption	**Typical:** 580W; **Max:** 950W; **Idle:** 80W; **Power Save:** ‹14W (MB451dn) ‹18W (MB451dnww); **Deep Sleep:** ‹3.0W
Noise level	**Operating:** 55dB(A) or less; **Standby:** 30dB(A); **Power save:** Inaudible
Dimensions (HxWxD)	455 x 427 x 425mm
Weight[3]	20kg
Duty cycle	**Maximum:** 30,000 pages/month; **Recommended:** Up to 2,000 pages/month
Warranty	3 years extended warranty upon registration within 30 days of purchase
Product order numbers	**MB451dn:** 01327201; **MB451dnw:** 01327301

Consumables (Order Numbers)

Toner cartridge* (1,500 pages)	44992401
Toner cartridges* (2,500 pages)	44992402
Image drum** (25,000 pages)	44574307

* Toner: A4 pages yield compliant with ISO/ISC 19752. Printer shipped with toner for 1,000 A4 pages.
**Drum: Average life of 3 pages per job from tray 1 in simplex mode.

Consumables Information: For the protection of your printer, and in order to ensure that you benefit from its full functionality, this model has been designed to operate only with genuine OKI toner cartridges. These can be identified by the OKI trademark. Any other toner cartridge may not operate at all, even if it is described as "compatible", and if it does work, your printer's performance and print quality may be degraded.

3-Year Return to Base Warranty

Our devices are manufactured to the highest standards of quality and technology, which has been confirmed by independent tests. We are so convinced of the high quality of our products that we are offering you an extension of the standard warranty period to 3 years at no extra cost to you. Simply register your product within 30 days of purchase to be eligible for our unique all inclusive offer. For further information please visit: **WWW.OKI.CO.UK/WARRANTY**
Without registration, the standard pan-European 1 year return to base warranty applies.

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