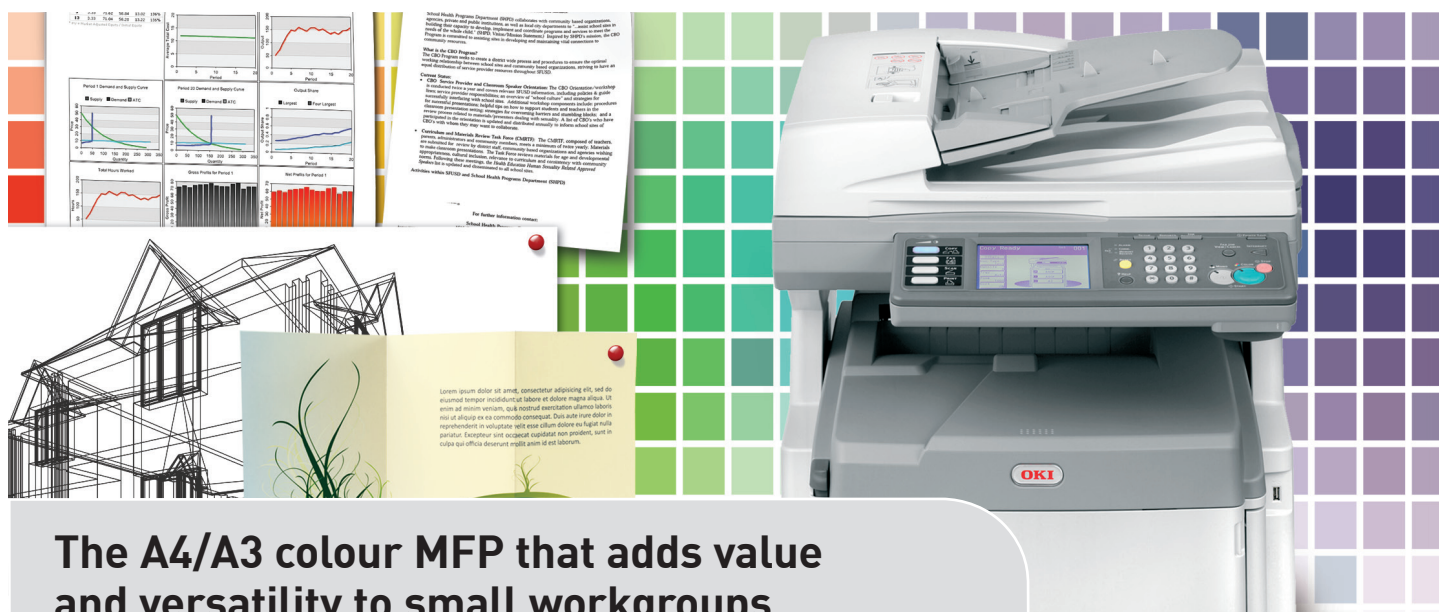


# ES8451 MFP Specifications

# OKI



## The A4/A3 colour MFP that adds value and versatility to small workgroups

**The ES8451 MFP is the perfect choice for companies on a limited budget without compromising on consistent high quality output and all the features and benefits that add value to your business.**

This robust and reliable product gives you the versatility of printing copying, scanning and faxing\* in rich A4/A3 high definition colour and has print speeds of up to 22ppm for colour and 34ppm for mono.

### Adding value to your business

- Easy to use graphical LCD display with simple navigation of advanced features. Plus one-touch Copy, Scan, Print and Fax buttons for simplified interaction
- Scan to USB stick via Host USB port for convenient file sharing
- Scanning to client, email or network PC improves document communications and management
- Fax A4 and A3 single and double sided documents or to save paper send faxes directly from a PC
- Forward incoming faxes to an email account saving paper and increasing document workflow efficiency

- Embedded LDAP provides direct access to contact and email data in an existing database, saving time and improving the reliability of document delivery
- Job Program allows users to save time by defining regularly used functions for repeated use
- Job Interrupt temporarily pauses the device, allowing users to copy urgent documents without disrupting the workflow
- Secure Print password protects print jobs so only authorised persons can retrieve them, whilst encryption takes care of data security as it travels across the network queue

### Intuitive management and control tools

- Colour Access Policy Manager (CAPM) for controlling and monitoring user access rights
- PrintSuperVision for monitoring, reporting and managing networked printers in real-time
- Print Control allows you to control your print costs and usage
- TWAIN compliance enables integrated scanning within imaging software
- Nuance PaperPort converts hardcopy into digital content

- Nuance OmniPage converts documents into editable electronic files

### Professional document quality every time

- Flexible media handling using up to 4 paper input trays; from A6 to 1200mm banners and card stock up to 200gsm
- Scanning/copying/faxing double-sided documents is quick and simple using the 50-sheet RADF
- Duplex printing as standard
- ProQ2400 multi-level output quality, 1200 x 600dpi print resolution
- Colour Correct and Colour Swatch utilities enhance colour matching and quality to produce professional office documents
- OKI Template Manager makes it easy to create and print a range of useful documents

### Technology that you can rely upon

- Easy to replace high yield colour and mono consumables

\*mono only

EXECUTIVE  
SERIES

## ES8451 MFP - Colour and Mono Multifunction Product

PRINTER	
Print speed	A4: 22ppm colour, 34ppm mono; A3: 12ppm colour, 17ppm mono
Time to first print	11.5 seconds colour, 9.5 seconds mono
Warm up time	90 seconds or less from power on
Processor speed	PowerPC750 500MHz
SCANNER	
Resolution	600 x 600dpi
Speed	Up to 34spm
Colour depth	Output 24 bit (8 bit x 3 RGB)
Document input	Up to 50 sheet RADF
Contrast	7 Levels
Format	PDF, TIFF, JPEG, XPS
Address book	LDAP & internal address book
Scan to	Folder (CIFS), E-Mail, FTP, HTTP, USB Memory
COPY	
First copy out	16 seconds colour, 13 seconds mono
Speed	22cpm colour, 34cpm mono
Resolution	600dpi
Reduction / Enlargement	25-400 %
Maximum copies	999
FAX	
Connectivity	RJ11 x 2 (Line/Tel) PSTN, PBX
Speed	ITU-T G3 (Super G3) 33.6kbps
Fast dialling	500 speed dials
Groups	32
Broadcast	Up to 530
Page memory	16MB (approx 1,000 pages)
INTERFACE AND SOFTWARE	
Connectivity	Hi-Speed USB, 10/100-TX Ethernet, Parallel Port
Printer languages	PCL5c, PCL6 <sup>2</sup> ; PostScript (Windows/Mac)
Network & protocols	10Base-T/100Base-TX Ethernet Card with internal Web Server for printer and network card set-up and management. Includes POP3/APOP and SMTP Mail client for submission of print jobs and for alerts. All major network protocols supported - TCP/IP:- ARP, RARP, IPv4/v6, ICMPv4/v6, TCP, UDP, LPR, FTP, TELNET, HTTP(PP), BOOTP, DHCP, SNMPv1/v3, DNS, DDNS, UPnP, Bonjour, WINS, SSL/TLS, SMTP, POP3, SNTP, WSDPrint, JetDirect protocols, NetBIOSoverTCP, Kerberos. NetWare 3.x, 4.x, 5.x & 6 with full NDS and NDPS support:- PServer, RPrinter, NDPS supported via dedicated OKI NDPS Gateway. Ethernalk:- ELAP, AARP, DDP, AEP, NBP, ZIP, RTMP, ATP, PAP. NetBEUI:- SMB, NetBIOS. Other:- EAP.
OS Compatibility <sup>1</sup>	Windows 2000 / XP (32-bit & 64-bit) / Server 2003 (32-bit & 64-bit) / Server 2008 (32-bit & 64-bit) / Vista (32-bit & 64-bit) / 7 (32-bit & 64-bit); Mac OS X 10.3.9 or greater
Advanced networking and security	IPv6, 802.1x authentication, IPSec, SNMPv3, SSL3/TLS HTTPS encryption, Secure Erase, Data Encryption, MAC filtering, IP filtering, Secure Print
Utility suite <sup>1</sup>	Color Correct, OKI LPR <sup>2</sup> , PrintSuperVision.net <sup>2</sup> , Swatch Utility, Template Manager <sup>2</sup> , Web Driver Installer <sup>2</sup> , WebPrint <sup>2</sup> , Print Control Server <sup>2</sup> , Print Control Client, Print Control Report Tool <sup>2</sup> , Storage Device Manager <sup>2</sup> , Gamma Utility, Profile Assistant, PDF Direct Utility <sup>2</sup> , Configuration Tool <sup>2</sup> , Actkey <sup>2</sup>
Document management	Nuance PaperPort SEv11 <sup>2</sup> , Nuance OmniPage SEv16 <sup>2</sup>
OPERATOR PANEL	
LCD Touch-screen	14.5cm back-lit
Key pad	12 numeric, 4 main function buttons, Color & Mono Start, Setup, Job Programs, Reports, Reset, Help, Power Save, Interrupt Key, Fax Job View/Cancel & Stop Key

PAPER HANDLING	
Paper capacity	Tray 1: 300 sheets of 80gsm; Multi-purpose tray: 100 sheets of 80gsm; RADF: 50 sheets of 80gsm
Paper capacity optional 2nd tray + tall cabinet	530 sheets of 80gsm (standard on ES8451cdtn)
Paper capacity optional 2nd/3rd tray + short cabinet	1060 sheets of 80gsm (standard on ES8451cdxn)
Maximum paper capacity	ES8451dn: 400 sheets of 80gsm; ES8451cdtn: 930 sheets of 80gsm; ES8451cdxn: 1,460 sheets of 80gsm
Paper sizes	Tray 1: A3, B4, A4, A5, B5, A6; Tray 2/3: A3, B4, A4, A5, B5; Multi-purpose tray: A3, B4, A4, B5, A5, A6. Envelopes (Com10, DL, C4, C5), Labels (Avery 7162, 7664, 7666), Transparencies. Support Custom size: Width 64-297mm Length 105-1200mm; RADF: A3, A4, A5, B4, B5; Duplex: A3, A4, A5, B4, B5. Supports custom size: Width 148.5-297mm Length: 182-431.8mm
Paper weight	Tray 1: 64 to 120gsm; Tray 2/3: 64 to 176gsm; Multi-purpose tray: 64 to 200gsm; RADF: 42 to 128gsm; Duplex: 64 to 105gsm
Duplex	Standard
Paper output	250 sheets face down, 100 sheets face up

TYPEFACES	
Printer fonts	Scalable: 86 PCL fonts & 136 PostScript fonts, PCL Bitmap fonts, OCR-A/B, USPS ZIP Barcode

PRINT QUALITY	
Resolution	ProQ 2400 Multi-level technology, 1200 x 600dpi
Enhancements	Auto Colour Balance, Photo Enhance via Driver <sup>2</sup>

GENERAL FEATURES	
Memory	Standard RAM: 512MB (2 x 256MB); Maximum RAM: 768MB (1 x 256MB, 1 x 512MB) Standard Hard Disk Drive: 40GB
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 220-240VAC, frequency 50/60Hz +/- 2%
Power consumption	Typical: 700W; Max: 1300W; Idle: 160W (average); Power Save: <25W
Noise level	Operating: 54dB(A) or less Standby: 37dB(A) or less; Power save: Background level
Dimensions (HxWxD)	ES8451dn: 669 x 565 x 658mm; ES8451cdtn: 1130 x 845 x 766mm; ES8451cdxn: 1130 x 845 x 766mm
Weight <sup>3</sup>	ES8451dn: 68kg approx; ES8451cdtn: 95kg approx; ES8451cdxn: 100kg approx
Product order numbers	ES8451dn: 43967032; ES8451cdtn: 01318302; ES8451cdxn: 01318303

ACCESSORIES (ORDER NUMBERS)	
2nd tray + tall cabinet	44020403
2nd/3rd tray + short cabinet	44020503
Memory	512MB: 01182902

CONSUMABLES (ORDER NUMBERS)	
Toner cartridges* (9,000 pages)	Cyan: 44059259; Magenta: 44059258; Yellow: 44059257; Black: 44059260
Image drum** (20,000 pages)	Cyan: 01247403; Magenta: 01247402; Yellow: 01247401; Black: 01247404
Transfer Belt (80,000 pages)	01206701
Fuser Unit (100,000 pages)	01206601

\*Toner: Number of A4 pages @ 5% coverage. Printer shipped with toner for 9,000 A4 pages.  
 \*\*Drum: Average number of A4 pages printed.

<sup>1</sup>Check local OKI Executive Series website for latest driver releases and OS compatibility; <sup>2</sup>Windows only; <sup>3</sup>Including all consumables

**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 Printing Solutions 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.

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