



## Outstanding A4 colour MFP for small businesses or workgroups

The ES3452 MFP offers professional quality and reliability for small businesses or workgroups that require print, scan and copy functionality. With colour print speeds of 22ppm and mono print speeds of 24ppm, the ES3452 MFP provides the user with the flexibility to manage their documents in-house.

The ES3452 MFP is built on tried and tested technology that your business can rely on to deliver over and over again.

### Outstanding features to support your business needs

- Automatic Duplex printing, copying, and scanning as standard with colour print speeds up to 22ppm
- 50-sheet Reverse Automatic Document Feeder (RADF) for quick and easy copying and scanning double-sided documents
- Time to first print, 9 seconds colour, 8.5 seconds mono
- Intuitive menus and controls with one touch function buttons and 3.5" LCD display for simple user interface
- Print directly from or scan directly to a USB stick

### Excellent print quality and media flexibility

- Duplex as standard (up to 176gsm), for in-house professional printing
- ProQ2400 multi-level output quality, 1200 x 600dpi print resolution
- Microfine High Definition toners for superb print quality
- Flexible media handling: from A6 to 1320mm banners; card stock up to 220gsm
- OKI Template Manager makes it easy to create and print various documents in-house

### Functionality to improve your productivity and workflow

- High quality copying and scanning using LED digital technology
- Overlay function enables you to save logos or forms in the MFP memory, for re-use in other documents
- Fast scan speed of up to 20ppm colour and 30ppm mono
- USB and network TWAIN scanning (PC and Mac)
- LDAP direct access to contact and email data from an existing server directory

- Multiple copying and scanning configurations with single or double sided output
- ID card copying for simple copying of double sided ID cards on a single sheet
- Document collation automatically sorts copies of multi-page documents

### Efficient and cost saving functionality

- Eco mode improves throughput performance and reduces energy consumption
- Deep Sleep mode reduces energy consumption to less than 1.2W
- Auto-Off mode automatically powers down from Deep Sleep, reducing energy consumption to 0.5W when not in use

### Useful utilities that help you control and manage your printing

- PrintSuperVision helps you control and resolve issues with printers across your networks
- Print Job Accounting provides visibility and control of your organisation's print spend across your network



PRINT



SCAN



COPY

# ES3452 MFP - Colour and Mono Multifunction Product

PRINTER	
<b>A4 Print speed</b>	22ppm colour, 24ppm mono
<b>Time to first print</b>	9 seconds colour, 8.5 seconds mono
<b>Warm up time</b>	Up to 60 seconds from power on and up to 32 seconds from power save
<b>Processor speed</b>	533MHz

SCANNER	
<b>Optical Resolution</b>	1200 x 1200dpi
<b>Speed</b>	Up to 20ppm colour, up to 30ppm mono
<b>Colour depth</b>	Input 48-bit / Output 24-bit
<b>Document input</b>	50-sheet Reverse Automatic Document Feeder (RADF), flatbed scanner
<b>Contrast</b>	7 Levels
<b>Format</b>	PDF, M-TIFF, JPEG, XPS
<b>Address book</b>	LDAP, 100 E-mail address, 20 group addresses
<b>Scan to</b>	FTP, HTTP, USB memory, E-mail, TWAIN, CIFS

COPY	
<b>First copy out</b>	Less than 14 seconds colour, less than 12 seconds mono
<b>Speed</b>	Up to 22cpm colour and up to 24cpm mono
<b>Resolution</b>	Up to 600 x 600dpi
<b>Reduction / Enlargement</b>	Zoom 25-400%
<b>Maximum copies</b>	99

OPERATOR PANEL	
<b>LCD Panel</b>	<b>Single simplified blue backlit graphics panel:</b> 84.1mm (W) x 33.6mm (H); <b>Resolution:</b> 320x128 dots
<b>Key pad</b>	12 alpha/numeric keys, 3 main function buttons (Copy, Scan, Print), Color & Mono Start, Status, Setting, Help, 6 main navigation buttons (Back, Up, Down, Left, Right, OK), Clear, Stop, Power Save, Reset/Log Out

INTERFACE AND SOFTWARE	
<b>Connectivity</b>	10/100 TX Ethernet, USB 2.0 Device IF, USB 2.0 Host IF
<b>Printer languages</b>	PCL6 (XL3.0), PCL5c, PostScript 3 emulation, SIDM (IBM-PPR, EPSON-FX)
<b>Network &amp; protocols</b>	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
<b>OS Compatibility<sup>1</sup></b>	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) / Windows 7 (32-bit & 64-bit); Mac OS X 10.3.9 to 10.7
<b>Advanced networking &amp; security</b>	IP Filtering, MAC Filtering, SSL/TLS, NIC Driver (IC+), WindowsRally EmailAlert, EAP(IEEE802.1X), IPSec
<b>Utility suite<sup>1</sup></b>	Template Manager <sup>2</sup> , Color Correct, OKI LPR <sup>2</sup> , Color Swatch Utility <sup>2</sup> , PrintSuperVision.net <sup>2</sup> , PrintSuperVision Multiplatform <sup>2</sup> , Print Job Accounting Server <sup>2</sup> , Print Job Accounting Client, Web Driver Installer <sup>2</sup> , Network Card Setup, Configuration Tool <sup>2</sup> , ICC Color Profiles, PS Gamma Adjuster, Profile Assistant <sup>3</sup> , PDF Direct Print, Actkey <sup>2</sup>
<b>Document management</b>	Nuance PaperPort SEv11, Nuance OmniPage SEv16

TYPEFACES	
<b>Printer fonts</b>	Scalable: 87 PCL Fonts and 80 PostScript fonts; PCL Bitmap fonts: Lineprinter OCR-A/B, USPS ZIP Barcode
<b>Barcode</b>	12 types of one dimension with 28 variations: UPCA, 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

<sup>1</sup>Check local OKI Executive Series website for latest driver releases and OS compatibility; <sup>2</sup>Windows only; <sup>3</sup>Mac only; <sup>4</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 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.

PRINT QUALITY	
<b>Resolution</b>	ProQ2400 Multi-level Technology, 1200 x 600dpi, 600 x 600dpi
<b>Enhancements</b>	Auto Color Balance, Photo Enhance via driver (excludes PostScript driver)

PAPER HANDLING	
<b>Paper capacity</b>	<b>Tray 1:</b> 250 sheets of 80gsm; <b>Multi-purpose tray:</b> 100 sheets of 80gsm; <b>RADF:</b> 50 sheets of 80gsm
<b>Paper capacity optional 2nd tray</b>	530 sheets of 80gsm
<b>Maximum paper capacity</b>	880 sheets of 80gsm
<b>Paper sizes</b>	<b>Tray 1:</b> A4, A5, B5, A6; <b>Tray 2:</b> A4, A5, B5; <b>Multi-purpose tray:</b> A4, A5, B5, A6, Envelopes (C5, DL, Com-9, Com-10, Monarch), Index Card (3" x 5") (75 x 125mm), Photo Size (4" x 6", 5" x 7") (100 x 150mm, 125 x 175mm), Custom Size (up to 1320mm length including banners); <b>Duplex:</b> A4, A5, B5; <b>RADF:</b> A4, A5, B5, A6
<b>Paper weight</b>	<b>Tray 1/2:</b> 64 to 176gsm; <b>Multi-purpose tray:</b> 64 to 220gsm; <b>Duplex:</b> 64 to 176gsm; <b>RADF:</b> 60 to 105gsm
<b>Duplex</b>	Standard
<b>Paper output</b>	<b>Face Down:</b> 150 sheets of 80gsm; <b>Face Up:</b> 100 sheets of 80gsm

GENERAL FEATURES	
<b>Memory</b>	<b>Standard RAM:</b> 256MB; <b>Maximum RAM:</b> 768MB
<b>Environment</b>	<b>Operating temperature/ humidity:</b> 10°C to 32°C (17°C to 27°C recommended) / 20% to 80% RH (50% to 70% RH recommended) <b>Storage temperature/ humidity:</b> -10°C to 43°C / 10% to 90% RH
<b>Power supply</b>	Single phase 220 to 240VAC, frequency 50-60Hz +/- 2%
<b>Power consumption</b>	<b>Typical:</b> 500W; <b>Max:</b> 1170W; <b>Idle:</b> 100W; <b>Power Save:</b> <20W; <b>Deep Sleep:</b> <1.2W; <b>Auto-Off:</b> <0.5W
<b>Noise level</b>	<b>Operating:</b> 52dB(A) or less (copy); <b>Standby:</b> 33dB(A); <b>Power save:</b> Inaudible
<b>Dimensions (HxWxD)</b>	444 x 427 x 509mm
<b>Weight<sup>4</sup></b>	<29kg approx
<b>Warranty</b>	1 year
<b>Product order number</b>	ES3452dn: 01328301

ACCESSORIES (ORDER NUMBERS)	
<b>2nd paper tray</b>	44472102
<b>Cabinet</b>	01314101
<b>Memory</b>	<b>256MB:</b> 01182907; <b>512MB:</b> 01182908

CONSUMABLES (ORDER NUMBERS)	
<b>Toner cartridge* (7,000 pages)</b>	Black: 44973512
<b>Toner cartridges* (6,000 pages)</b>	Cyan: 44973511; Magenta: 44973510; Yellow: 44973509
<b>Image drum**</b>	01282903
<b>Transfer Belt (60,000 pages)</b>	44472202
<b>Fuser Unit (60,000 pages)</b>	44472603

\*Toner: A4 pages yield compliant with ISO/ISC 19798. Printer shipped with toner for 1,000 A4 pages.

\*\*Drum: Average life of 3 pages per job from tray 1 in simplex mode (30,000 pages black, 20,000 pages colour).

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