



Fast, vibrant and affordable A3 and A4 colour printing that enhances your business

The ES8431 is the ideal choice for small to medium businesses or workgroups looking for fast, high quality, high volume, print on demand capabilities, in-house. With the fastest print speeds for its price at 35ppm and high capacity 10k toners, you can rely on this device to deliver on your day to day business printing needs, hassle free. And with low running costs this is an attractive option for budget conscious businesses with high print volume demands.

The ES8431 is built on tried and tested technology that your business can rely on to deliver over and over again.

High definition colour for superior in-house printing

- ProQ2400 Multi-level output quality, 1200 x 600dpi print resolution for smoother shades
- Photo Enhance setting for sharp, clear and vibrant photo-like pictures
- A4 colour print speeds of up to 35ppm
- First page to print 9.5 seconds
- Unique OKI Template Manager to format various documents and print in-house

Excellent media flexibility

- Duplex printing as standard
- A6 to A3 and up to 1321mm banners
- Print on stock from 64 to 256gsm
- Standard 400 sheet paper capacity expands to 1,990 sheets

Control your printing with range of software tools

- Print Job Accounting – see and control print usage across your network
- Mobile printing – print from a variety of mobile devices across wireless networks
- PrintSuperVision – control and resolve issues with printers across your network
- Colour Access Policy Manager – decide who has access to colour or mono printing
- Print Release Card Solution – optional interface for print management via smartcards
- Secure Print – enabling PIN number protected printing using numeric keypad

Designed for efficiency, built to perform

- LED technology that is inherently more energy efficient
- Deep Sleep mode to reduce power consumption to 1W
- OFF mode further reduces energy usage to 0.15W but can quickly power up when required
- Duplex printing reduces paper usage
- Toner Save function reduces toner usage for draft documents
- Mono only printing when colour cartridges are empty
- High capacity toner cartridges, up to 10K

ES8431 - Colour and Mono Printers

PRINTER	
Print speed	A4: 35ppm colour, 35ppm mono; A3: 20ppm colour, 20ppm mono
Time to first print	9.5 seconds colour, 9.5 seconds mono
Warm up time	Up to 32 seconds from power on and up to 27 seconds from power save
Processor speed	800MHz

INTERFACE AND SOFTWARE	
Connectivity	Hi-Speed USB x 2 (1 x type A & 1 x type B), 10/100-TX Ethernet, IEEE 1284 Bi-directional Parallel (optional)
Printer languages	PCL 6 (XL3.0) and PCL5c, PostScript3 emulation, SIDM (IBM-PPR, EPSON-FX), PDF Direct Print v1.8
OS Compatibility ¹	Windows 2000 / XP Home / XP Professional (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 10.3.9 to 10.7
Advanced networking & security	IPv6, 802.1x authentication, SNMP V3, SSL3/TLS HTTPS encryption, Secure Print ² , Secure Erase ² , Data Encryption ² , MAC filtering, IP filtering
Utility suite ¹	Color Correct, OKI LPR ³ , PrintSuperVision.net ³ , PrintSuperVision Multiplatform ³ , Color Swatch Utility, ICC Profiles ³ , Template Manager ³ , Web Driver Installer ³ , WebPrint ³ , Print Job Accounting ³ , Print Job Accounting Enterprise, Print Job Accounting Client, Storage Device Manager ^{2,3} , PS Gamma Adjuster, Profile Assistant ² , PDF Direct Utility, Color Access Policy Manager ³

TYPEFACES	
Printer fonts	Scalable: 87 PCL fonts and 80 PostScript fontsp, PCL Bitmap fonts, OCR-A/B, USPS ZIP Barcode
Barcode	Barcode with Checksum support

PRINT QUALITY	
Resolution	ProQ2400 Multi-level technology, 1200 x 600dpi
Enhancements	Auto Colour Balance, Photo Enhance via Driver (excludes Mac OS and all PostScript drivers)

PAPER HANDLING	
Paper capacity	Tray 1: 300 sheets of 80gsm; Multi-purpose tray: 100 sheets of 80gsm
Paper capacity optional trays	Tray 2: 530 sheets of 80gsm Tray 3: 530 sheets of 80gsm; Tray 4: 530 sheets of 80gsm
Maximum paper capacity	1,990 sheets of 80gsm
Paper sizes	Tray 1: A3, A4, A5, A6, B4, B5; Tray 2/3/4: A3, A4, A5, B4, B5; Multi-purpose tray: A3, A4, A5, B4, B5, A6; 11 Envelopes (Com-10, DL, Monarch, C5,C4), Custom size (up to 1321mm length including banner); Duplex: A3, A4, A5, B4, B5; Custom size: Width 148.5-297mm Length 182-431.80mm
Paper weight	Tray 1: 64 to 220gsm; Tray 2/3/4: 64 to 176gsm; Multi-purpose tray: 64 to 256gsm; Duplex: 64 to 220gsm
Duplex	Standard
Paper output	250 sheets face down, 100 sheets face up, 80gsm

¹Check local OKI website for latest driver releases and OS compatibility; ²Requires SDHC Memory Card; ³Windows only; ⁴Secure Digital High Capacity (SDHC) Memory Card supports up to 32GB. OKI is not responsible for any compatibility risk using non OKI genuine SDHC Memory Card; ⁵Including 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.

GENERAL FEATURES	
Memory	Standard RAM: 256MB; Maximum RAM: 768MB Optional SDHC Memory Card ⁴ : 16GB
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: <700W; Max: <1400W; Idle: <100W; Power Save: <12W; Deep Sleep Mode: <1.0W
Noise level	Operating: 52dB(A) or less; Standby: 32dB(A) or less; Power save: Background level
Dimensions (HxWxD)	360 x 449 x 552mm;
Weight ⁵	ES8431dn: 40kg approx
Duty cycle	Maximum: 50,000 pages/month; Recommended: 1,500 to 5,000 pages per month
Warranty	1 year
Product order numbers	ES8431dn: 44705906dn; ES8431dtn: 44705906dtn

ACCESSORIES (ORDER NUMBERS)	
Memory	256MB: 44302203; 512MB: 44302207
SDHC Memory Card ⁴	16GB: 44848903
2nd/3rd/4th paper tray	44713903

CONSUMABLES (ORDER NUMBERS)	
Toner cartridges* (10,000 pages)	Cyan: 44844531; Magenta: 44844530; Yellow: 44844529
Toner cartridge* (10,000 pages)	Black: 44844532
Image drum** (30,000 pages)	Cyan: 44844427; Magenta: 44844426; Yellow: 44844425; Black: 44844428
Transfer Belt (80,000 pages)	44846204
Fuser Unit (100,000 pages)	44848805

*Toners: A4 pages yield compliant with ISO/ISC 19798. Printer shipped with toner for 2,100 A4 pages yield compliant with ISO/ISC 19798.

**Drum: Average number of A4 pages printed.



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