B431 Specifications

OKI
PRINTING SOLUTIONS

Productive, high performance mono printers for everyday use

If you need a black & white printer that supports the highest levels of office productivity – without straining your budget – you need the B431. Built for speed and maximum efficiency, it produces the first printed page in less than 5 seconds and the rest at an impressive 38 pages per minute. And that's just the start.

Choose the B431d for fast individual printing or the B431dn for sharing on the office network saving costs without losing productivity

Designed for productivity

Of course, there's more to productivity than fast print speeds. The true 1200 x 1200dpi resolution delivers fine, crisp detail which is generously supported by a powerful 330MHz processor and 64MB of memory (expandable to 320MB), and a paper supply that can be increased to 880 sheets to mirror your productivity demands. There's even a 100-sheet multi-purpose tray, supporting a range of paper sizes, to meet everyday office

printing requirements. Plus, it comes with OKI Template Manager – making it easy for you to create and print a wide variety of office documents.

Maximum Efficiency

The compact design of the B431 means it can be placed on any desktop within your office. What's more, its high yield consumables let you print up to 10,000 pages without replenishment, helping to keep the cost-per-page down whilst maximising your uptime. Other essential features include automatic two-sided printing as standard, a 'Power Save' mode that reduces energy consumption to just 8W, and because the toner cartridge and drum are all separate, you only ever have to replace what needs replacing. The B431dn also comes with our popular PrintSuperVision software – the smart way to actively manage your office printing, for improved control by tracking and monitoring usage of your networked printers.

Built for endurance

Maximum reliability means maximum return on investment. And that's what the B431 delivers. It uses ultra-reliable digital LED technology (pioneered by OKI and proven over more than 20 years) with fewer moving parts for exceptional durability.

Exceptional value for money

Not only does the B431 give you much more for your money, but it's surprisingly inexpensive to run. High yield consumable and built-in reliability all contribute to a low total cost of ownership

A4	✔
Range of media handling	✔
Mono	✔
Print	✔
1-5 users	✔

Variants available:
B431d
duplex
B431dn
duplex, networked

B431 - Mono Printers

PRINTER

A4 Print speed	38ppm mono
Time to first print	Less than 5 seconds
Warm up time	Approx. 20 seconds from power save
Processor speed	330MHz PowerPC405

INTERFACE AND SOFTWARE

Connectivity	**B431d:** IEEE1284 Bi-directional parallel, Hi-Speed USB 2.0
	B431dn: IEEE1284 Bi-directional parallel, Hi-Speed USB 2.0, 10/100BaseTX Ethernet
Printer languages	PCL5e, PCL6, Epson FX, IBM ProPrinter, PostScript3 emulation
Network & protocols (B431dn)	10/100BaseTX Ethernet card with internal web server for printer and network card set-up and management. Includes SMTP mail client for alerts. All major network protocols supported - TCP/IP, Netware, Ethertalk and NetBEUI. TCP/IP: ARP, IPv4/v6, ICMPv4/v6, TCP, UDP, LPR, FTP, TELNET, HTTP(IPP), BOOTP, DHCP, AutoIP, SNMPv1/v3, DNS, DDNS, uPnP, Bonjour, WINS, SSL/TLS, SMTP, SNTP, Windows Rally(WSD-Print, LLTD), SLP, NetBIOS over TCP, JetDirect protocols; Netware 3.x, 4.x, 5.x, and 6 with full NDS and NDPS support:- QServer over IP and IPX, R-Printer, N-Printer, NCP, SPX, IPX, SAP, RIP; Ethertalk: ELAP, AARP, DDP, AEP, NBP, ZIP, RTMP, ATP, PAP; NetBEUI: SMB, NetBIOS; Other: EAP
OS Compatibility[1]	Windows 2000 / 2003 / 2003 x64 / XP / XP x64 / Server 2008 (32-bit & 64-bit) / Server 2008 R2 (64-bit) / Vista (32-bit & 64-bit) / 7 (32-bit & 64-bit); Linux PPD; Mac OS 10.3.9 or greater
Utility Suite[1]	**B431d:** Template Manager[2], Configuration Tool[2], Op-Panel Download Utility, Print Control Server[2], Print Control Client, Storage Device Manager[2]
	B431dn: Template Manager[2], Print Control Server[2], Print Control Client, PrintSuperVision.net[2], OKI LPR[2], Network Extension, Network Card Setup, Configuration Tool[2], Op-Panel Download Utility, Storage Device Manager[2]

PAPER HANDLING

Paper capacity	**Tray 1:** 250 sheets of 80gsm; **Multi-purpose tray:** 100 sheets of 80gsm
Paper capacity optional tray	**Tray 2:** 530 sheets of 80gsm
Maximum paper capacity	880 sheets of 80gsm
Paper sizes	**Tray 1:** A4, A5, B5(JIS), A6, Letter, Legal 13, Legal 14, Executive, Statement; **Tray 2:** A4, A5, B5(JIS), Letter, Legal 13, Legal 14, Executive; **Multi-purpose tray:** A4, A5, B5(JIS), A6, Letter, Legal 13, Legal 14, Executive, Statement, Envelopes: Monarch, Com-9, Com-10, DL, C5, C6; **Duplex:** A4, B5(JIS), Letter, up to Legal 14, Executive
Paper weight	**Tray 1/2:** 60 to 120gsm; **Multi-purpose tray:** 60 to 163gsm; **Duplex:** 60 to 120gsm
Duplex	Standard
Paper output	150 sheets face down, 100 sheets face up (80gsm)

TYPEFACES

Printer fonts	87 scaleable PCL and 136 PostScript fonts, 2 bitmap fonts, OCR-A/B
Dot matrix fonts	Epson FX and IBM PPR at various pitches
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, USPS Zip Barcode, 1 type of two dimension: PDF417

PRINT QUALITY

Resolution	1200 x 1200dpi

GENERAL FEATURES

Memory	**Standard RAM:** 64MB; **Maximum RAM:** 320MB
Environment	**Operating temperature/ humidity:** 10°C to 32°C/ 20% to 80% RH non-condensing
	Storage temperature/humidity: -10°C to 43°C, 10% to 90% RH non-condensing
Power supply	230 VAC +/- 10%, 50 or 60Hz +/-2%
Power consumption	**Typical:** 550W; **Max:** 900W; **Idle:** 70W; **Power Save:** 8W
Noise level	**Operating:** 54dB(A) or less; **Standby:** 30dB(A) or less; **Power save:** Background Level
Dimensions (HxWxD)	244.5 x 387 x 364mm
Weight[3]	12kg
Duty cycle	**Maximum:** 80,000 pages/month; **Recommended:** 5,000 pages/month
Warranty	1 year
Product order numbers	**B431d:** 44566305 ; **B431dn:** 44566325

ACCESSORIES (ORDER NUMBERS)

2nd paper tray	44575702
Memory	**64MB:** 44615402; **256MB:** 44615411

CONSUMABLES (ORDER NUMBERS)

Black toner cartridge* (3,000 pages)	44574702
Black toner cartridge* (10,000 pages)	44574902
Image drum** (up to 23,000 pages)	44574302

* Toner: Number of A4 pages yield compliant with ISO/IEC 19752. Printer shipped with toner for 2,000 pages yield compliant with ISO/IEC 19752.
** Drum: 3 pages per job

[1]Check local OKI Printing Solutions website for latest driver releases and OS compatibility; [2]Windows only; [3]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.

ENERGY STAR

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