

# B431 Specifications



## 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                  | <b>B431d:</b> IEEE1284 Bi-directional parallel, Hi-Speed USB 2.0<br><b>B431dn:</b> 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, SNT, 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 <sup>1</sup> | Windows 2000 / 2003 / 2003 x64 / XP / XP x64 / Server 2008 (32-bit & 64-bit) / Server 2008 R2 (64-bit) / Vista (32-bit & 64-bit) / Win7 (32-bit & 64-bit); Linux PPD; Mac OS 10.3.9 or greater   |
| Utility Suite <sup>1</sup>    | <b>B431d:</b> Template Manager <sup>2</sup> , Configuration Tool <sup>2</sup> , Op-Panel Download Utility, Print Control Server <sup>2</sup> , Print Control Client, Storage Device Manager <sup>2</sup><br><b>B431dn:</b> Template Manager <sup>2</sup> , Print Control Server <sup>2</sup> , Print Control Client, PrintSuperVision.net <sup>2</sup> , OKI LPR <sup>2</sup> , Network Extension, Network Card Setup, Configuration Tool <sup>2</sup> , Op-Panel Download Utility, Storage Device Manager <sup>2</sup>  |
| PAPER HANDLING                |  |
| Paper capacity                | Tray 1: 250 sheets of 80gsm; <b>Multi-purpose tray:</b> 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; <b>Multi-purpose tray:</b> A4, A5, B5(JIS), A6, Letter, Legal 13, Legal 14, Executive, Statement, Envelopes: Monarch, Com-9, Com-10, DL, C5, C6; <b>Duplex:</b> A4, B5(JIS), Letter, up to Legal 14, Executive  |
| Paper weight                  | Tray 1/2: 60 to 120gsm; <b>Multi-purpose tray:</b> 60 to 163gsm; <b>Duplex:</b> 60 to 120gsm   |
| Duplex                        | Standard   |
| Paper output                  | 150 sheets face down, 100 sheets face up (80gsm)   |

<sup>1</sup>Check local OKI Printing Solutions 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.

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

| ACCESSORIES (ORDER NUMBERS) |   |
|-----------------------------|---|
| 2nd paper tray              | 44575702                                      |
| Memory                      | <b>64MB:</b> 44615402; <b>256MB:</b> 44615411 |

| CONSUMABLES (ORDER NUMBERS)           |          |
|---------------------------------------|----------|
| Black toner cartridge* (3,000 pages)  | 44574702 |
| Black toner cartridge* (10,000 pages) | 44574902 |
| Image drum** (up to 25,000 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

