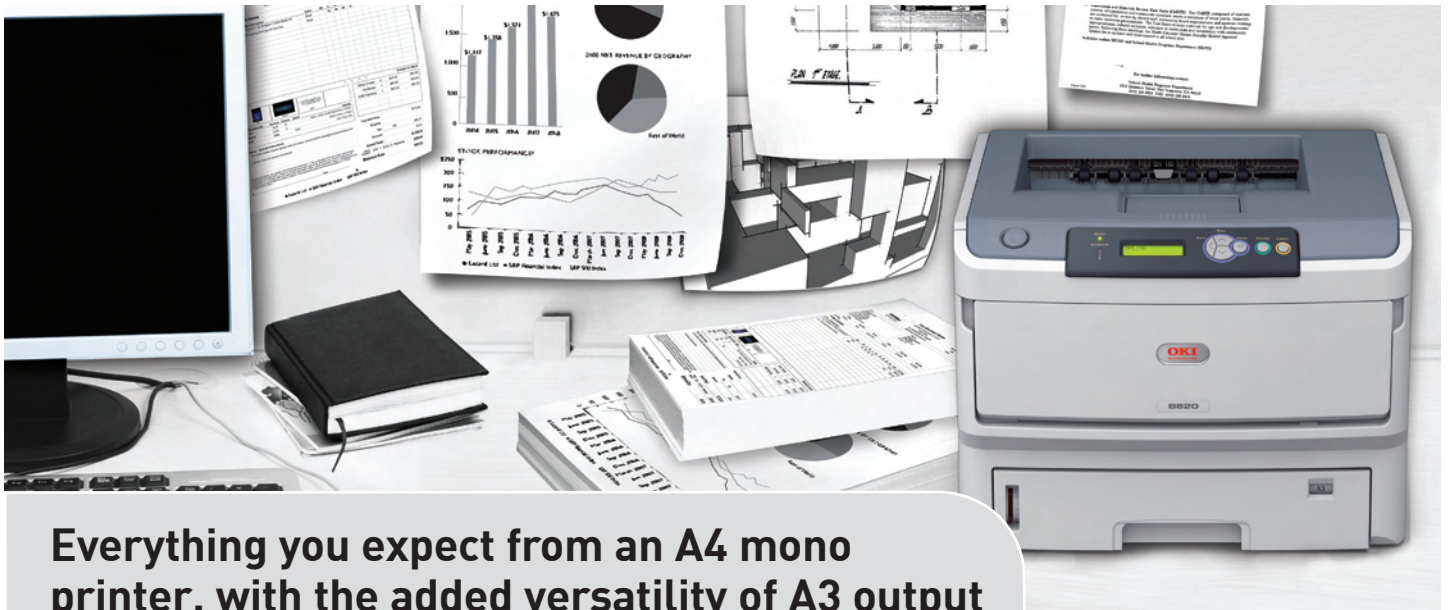


# B820n Specifications

**OKI**  
PRINTING SOLUTIONS



Everything you expect from an A4 mono printer, with the added versatility of A3 output

Transform your black and white documents with the B820, the A3 printer with the speed, versatility and footprint of an A4 device. With sharper mono output, provided by OKI's innovative digital LED technology, the B820 brings A4 and A3 mono printing closer to your small to medium workgroup.

Gone are the days of having to decipher your spreadsheets and diagrams with a magnifying glass. The B820 provides the convenience of fast desktop A4 printing speeds of up to 35ppm with the capability to print your documents at a size that gives them and you a new perspective. The B820 is competitively priced when compared with many A4 printers and brings affordable, A4 and A3 mono printing, to every business, large or small.

The B820 is designed to offer low running costs with a low total cost of ownership that puts A3 printing in the reach of businesses and workgroups in every sector.

#### Fast, superior mono printing on your desktop

First page appears in just 5 seconds, the rest at an impressive 35ppm for A4 (20ppm for A3) and with the combination of 128MB RAM memory, fast 533MHz processing power and its 600 x 2400dpi print resolution, pin-sharp output is assured quickly every time – a must for all customer facing documents and output. Network ready with PCL built-in for maximum platform flexibility and application support.

#### Flexible media output and duplex printing

Able to handle a wide range of media from A6 to A3 and paper weights of up to 200gsm, the B820 is ideal for reducing costs through printing essential business documents in-house. In addition, the B820dn models offer duplex printing and the standard paper capacity of 630 sheets can be expanded up 1,160 sheets for a wider range of output.

#### Reduced running costs and lower TCO

The B820 has been designed to provide a cost effective printing resource that can sit on the desktop, closer to the workgroup. With a 15k

capacity print cartridge and an energy saving sleep mode of 1.2W, your power consumption is reduced, conserving energy, lowering your running costs and carbon footprint.

#### Packed full of value-added features

Putting you in control, the software utilities and features provide even more value for your money. Secure Print<sup>3</sup> removes the risk of sensitive information falling into the wrong hands. Whilst PrintSuperVision provides remote monitoring and management of printers across your network and Print Control allows you to control your print costs and usage.

#### Combining reliable technology with minimal user intervention

The B820 is built on tried and tested digital LED technology, developed by OKI for over 20 years. The robust design and innovative technology not only deliver outstanding reliability but also the 100k duty cycle offer you consistently high quality prints over and over again, further reducing user intervention.

A4/A3	✓
Range of media handling	✓
Mono	✓
Print	✓
1-30 users	✓

Variant available:  
B820n  
networked



## B820n - A3 Mono Printer

Printer	
<b>Print speed</b>	<b>A4:</b> 35ppm; <b>A3:</b> 20ppm; <b>Duplex A4/A3:</b> 20ppm / 12ppm
<b>Time to first print</b>	5 seconds
<b>Warm up time</b>	Up to 19 seconds
<b>Processor speed</b>	PowerPC464FP 533MHz

Interface and Software	
<b>Connectivity</b>	10/100-TX Ethernet, USB 2.0 Hi-Speed, IEEE 1284 Bi-directional Parallel
<b>Printer languages</b>	PCL5e, 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/IP: ARP, IPv4/v6, ICMP, TCP, UDP, LPR, PORT9100, FTP, HTTP, HTTPS, IPP, SNMP v1/v3, TELNET, BOOTP, DHCP, DNS, DDNS, UPnP, Bonjour, WINS, SMTP, POP3, SNT, WSDPrint, LLTD; NetWare 4.11/5/6 with full NDS support:- PServer, RPrinter; EtherTalk: ELAP, AARP, DDP, AEP, NBP, ZIP, RTMP, ATP, PAP; IEEE802.1x; NetBEUI: SMB, NetBIOS; Other: EAP-TLS, PEAP, IPsec
<b>Advanced networking &amp; security</b>	IPv6, 802.1x authentication, SNMPv3, SSL/TLS HTTPS encryption, Secure Print <sup>2/3</sup> , Secure Erase <sup>2/3</sup> , Data Encryption <sup>2</sup> , MAC filtering, IP filtering, IPsec
<b>OS Compatibility<sup>1</sup></b>	Windows XP / XP x64 / Server 2003 (32-bit & 64-bit) / Vista (32-bit & 64-bit) / 7 (32-bit & 64-bit) / Server 2008 (32-bit & 64-bit) / Server 2008 R2; Mac OS X 10.3.9 - 10.6.4; Unix/Linux using PPD
<b>Utility suite<sup>1</sup></b>	Configuration Tool <sup>2</sup> , Driver Installer <sup>2</sup> , Front End <sup>2</sup> , OKI LPR <sup>2</sup> , Network Card Setup, Network Extension <sup>2</sup> , PrintSuperVision <sup>2/4</sup> , Template Manager <sup>2</sup> , Print Control Server <sup>2/4</sup> , Print Control Client <sup>4</sup> , Print Control Report Tool <sup>2/4</sup> , Storage Device Manager <sup>2</sup> , PDF Print Direct <sup>2/4</sup> , Web Driver Installer <sup>2/4</sup>

Paper Handling	
<b>Paper capacity</b>	<b>Tray 1:</b> 530 sheets of 80gsm; <b>Multi-purpose tray:</b> 100 sheets of 80gsm
<b>Paper capacity optional tray</b>	<b>Tray 2:</b> 530 sheets of 80gsm
<b>Maximum paper capacity</b>	1,160 sheets of 80gsm
<b>Paper sizes</b>	<b>Tray 1:</b> A3, A4, A5, B4, B5; <b>Tray 2:</b> A3, A4, A5, B4, B5; <b>Multi-purpose tray:</b> A3, A4, A5, B4, B5, A6; 10 Envelopes (Com-9, Com-10, DL, Monarch, C4, C5); Labels (A4), Custom size: Width 76-297mm Length 148-431.8mm; <b>Duplex:</b> A3, A4, A5, B4, B5; Custom size: Width 148.5-297mm Length 182-420mm
<b>Paper weight</b>	<b>Tray 1/2:</b> 60 to 176gsm; <b>Multi-purpose tray:</b> 60 to 200gsm; <b>Duplex:</b> 60 to 105gsm
<b>Duplex</b>	<b>Optional</b>
<b>Paper output</b>	250 sheets face down, 100 sheets face up, 80gsm

Typefaces	
<b>Printer fonts</b>	PCL: 87 scalable PCL and 3 bitmap font
<b>Barcode</b>	USPS Zip Barcode

Print Quality	
<b>Resolution</b>	600 x 2400dpi, 600 x 1200dpi, 600 x 600dpi, 300 x 300dpi

General Features	
<b>Memory</b>	<b>Standard RAM:</b> 128MB; <b>Maximum RAM:</b> 640MB <b>Optional SDHC Memory Card<sup>5</sup>:</b> 16GB
<b>Environment</b>	<b>Operating temperature/ humidity:</b> 10°C to 32°C / 20% to 80% RH <b>Storage temperature/ humidity:</b> -10°C to 43°C / 10% to 90% RH
<b>Power supply</b>	Single phase 220 to 240VAC +/- 10%, frequency 50/60Hz +/- 2%
<b>Power consumption</b>	<b>Typical:</b> 550W; <b>Max:</b> 1200W; <b>Idle:</b> 75W; <b>Power Save:</b> 15W; <b>Sleep mode:</b> <1.2W
<b>Noise level</b>	<b>Operating:</b> 54dB(A) or less <b>Standby:</b> 37dB(A) or less; <b>Power save:</b> Background level
<b>Dimensions (HxWxD)</b>	373 x 485 x 450mm (max 575mm)
<b>Weight<sup>6</sup></b>	24kg approx;
<b>Duty cycle</b>	<b>Maximum:</b> 100,000 pages/month; <b>Recommended:</b> 20,000 pages per month
<b>Product order number</b>	B820n

Accessories (Order Numbers)	
<b>Duplex</b>	44676204
<b>Memory</b>	<b>512MB:</b> 44302207
<b>SDHC Memory card<sup>5</sup></b>	<b>16GB:</b> 44301003
<b>2nd paper tray</b>	44676104

Consumables (Order Numbers)	
<b>Black print cartridge* (15,000 pages)</b>	44708001
<b>Image drum** (30,000 pages)</b>	44707401

Warranty	
1 Year On-site + Toll Free 0800 Support	

\*Number of A4 pages yield compliant with ISO/ISC 19752. Printer shipped with toner for 6,000 pages yield compliant with ISO/IEC 19752.  
\*\*Drum: Number of A4 pages printed at 3 pages per job average. Life may vary with use.

<sup>1</sup>Check local OKI Printing Solutions website for latest driver releases and OS compatibility; <sup>2</sup>Windows only; <sup>3</sup>SDHC memory Card required; <sup>4</sup>Download from web only; <sup>5</sup>Secure 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; <sup>6</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.

### OKI Printing Solutions

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