B820n Specifications



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 64MB 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[2/3] 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
B820dn
duplex, networked



B820n - Mono Printers

Printer

Print speed	**A4:** 35ppm; **A3:** 20ppm
Time to first print	5 seconds
Warm up time	Up to 19 seconds
Processor speed	PowerPC464FP 533MHz

Interface and Software

Connectivity	10/100-TX Ethernet, USB 2.0 Hi-Speed, IEEE 1284 Bi-directional Parallel
Printer languages	PCL5e, SIDM (IBM-PPR, EPSON-FX)
Network & protocols	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, SNTP, WSDPrint, LLTD; NetWare 4.1J/5J/6J 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
Advanced networking & security	IPv6, 802.1x authentication, SNMPv3, SSL/TLS HTTPS encryption, Secure Print[2/3], Secure Erase[2/3], Data Encryption[2], MAC filtering, IP filtering, IPSec
OS Compatibility[1]	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
Utility suite[1]	Configuration Tool[2], Driver Installer[2], Front End[2], OKI LPR[2], Network Card Setup, Network Extension[2], PrintSuperVision[2/4], Template Manager[2], Print Control Server[2/4], Print Control Client[4], Print Control Report Tool[2/4], Storage Device Manager[2], PDF Print Direct[2/4], Web Driver Installer[2/4]

Paper Handling

Paper capacity	**Tray 1:** 530 sheets of 80gsm; **Multi-purpose tray:** 100 sheets of 80gsm
Paper capacity optional tray	**Tray 2:** 530 sheets of 80gsm
Maximum paper capacity	1,160 sheets of 80gsm
Paper sizes	**Tray 1:** A3, A4, A5, B4, B5; **Tray 2:** A3, A4, A5, B4, B5; **Multi-purpose tray:** 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; **Duplex:** A3, A4, A5, B4, B5; Custom size: Width 148.5-297mm Length 182-420mm
Paper weight	**Tray 1/2:** 60 to 176gsm; **Multi-purpose tray:** 60 to 200gsm; **Duplex:** 60 to 105gsm
Duplex	**Optional**
Paper output	250 sheets face down, 100 sheets face up, 80gsm

Typefaces

Printer fonts	**PCL:** 87 scalable PCL and 3 bitmap font
Barcode	USPS Zip Barcode

Print Quality

Resolution	600 x 2400dpi, 600 x 1200dpi, 600 x 600dpi, 300 x 300dpi

General Features

Memory	**Standard RAM:** 128MB; **Maximum RAM:** 640MB
	Optional SDHC Memory Card[5]: 16GB
Environment	**Operating temperature/ humidity:** 10°C to 32°C / 20% to 80% RH
	Storage temperature/ humidity: -10°C to 43°C / 10% to 90% RH
Power supply	Single phase 220 to 240VAC +/- 10%, frequency 50/60Hz +/- 2%
Power consumption	**Typical:** 550W; **Max:** 1200W; **Idle:** 75W; **Power Save:** 15W; **Sleep mode:** ‹1.2W
Noise level	**Operating:** 54dB(A) or less **Standby:** 37dB(A) or less; **Power save:** Background level
Dimensions (HxWxD)	373 x 485 x 450mm (max 575mm)
Weight[6]	24kg approx;
Duty cycle	**Maximum:** 100,000 pages/month; **Recommended:** 20,000 pages per month
Product order number	**B820n**: 44675905 **B820dn:** 44675905dn

Accessories (Order Numbers)

Duplex	44676204
Memory	**512MB:** 44302207
2nd paper tray	44676104

Consumables (Order Numbers)

Black print cartridge* (15,000 pages)	44708001
Image drum (30,000 pages)**	44707401

*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: Average number of A4 pages printed.

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

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3 Year On-site Warranty^

^Our devices are manufactured to the highest standards of quality and technology, which has been confirmed by independent tests. We are so confident of the high quality of our products that we are offering you an extension of the standard warranty period to 3 years at no extra cost to you. Simply register your product within 30 days of purchase to be eligible for our unique all inclusive offer. Fully covered by OKI! For further information please visit: **http://warranty.oki.com.au** (Australia) or **http://warranty.oki.co.nz** (New Zealand). Without registration, the standard 1 year warranty applies.

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