



Lexmark CS820de

The Lexmark CS820de colour printer brings production-level performance and quality to the office, with the most advanced imaging technology available.

Part Number

21K0106

Print Technology

Color Laser

Function

Color Printing

Workgroup Size

Medium-Large Workgroup

Touch Screen Display

Yes

Display

Lexmark e-Task 4.3-inch (10.9 cm) colour touch screen

Print Speed (A4, Black)

Up to 57 ppm⁶

Print Speed (A4, Colour)

Up to 57 ppm⁶

Print Speed (A4, Black) Duplex

Up to 57 spm⁶

Time to First Page (Black)

As fast as 7 seconds

Time to First Page (Colour)

As fast as 7 seconds

Duplex (2-sided) Printing

Integrated Duplex

Print Resolution, Black

1200 x 1200 dpi, 4800 CQ (2400 x 600 dpi)

Print Resolution, Colour

1200 x 1200 dpi, 4800 CQ (2400 x 600 dpi)

Processor Speed

Quad Core, 1.33 GHz

Memory, Standard

1024 MB

Memory, Maximum

3072 MB

Hard Disk

Option available

Apple Operating Systems Supported

Apple OS X (10.6, 10.7, 10.8, 10.9, 10.10, 10.11)

Citrix MetaFrame

Microsoft Windows Server 2008 and 2008 X64 Edition with Citrix XenApp 5.0, Microsoft Windows Server 2008 R2 with Citrix XenApp 6.0, 6.5, Microsoft Windows Server 2012 with Citrix XenApp 6.0, 6.5

Linux Operating Systems Supported

Debian GNU/Linux 7.0, 8.0, Fedora 21, 22, Linpus Linux Lite Desktop 2.1, Linux Mint 13 LTS, 17 LTS, 17.1 LTS, 17.2 LTS, Linux Mint 2 Debian, PCLinuxOS 2014.12, Red Hat Enterprise Linux WS 4, 5, 6, 7, SUSE Linux Enterprise Desktop 10, 11, 12, SUSE Linux Enterprise Server 10, 11, 12, Ubuntu 12.04 LTS, 14.04 LTS, 15.04, openSUSE 13.1, 13.2, openSUSE Tumbleweed

Microsoft Windows Operating Systems Supported

Windows XP, Windows XP x64, Windows Vista, Windows Vista x64, Windows Server 2008, Windows Server 2008 x64, Windows 7, Windows 7 x64, Windows Server 2008 R2, Windows 8, Windows 8 x64, Windows Server 2012, Windows 8.1, Windows 8.1 x64, Windows Server 2012 R2, Windows RT, Windows RT 8.1, Windows 10

Novell Operating Systems Supported

Novell NetWare 6.5 Open Enterprise Server, Novell Open Enterprise Server on SUSE Linux Enterprise Server

UNIX Operating Systems Supported

Sun Solaris x86 10, 11, Sun Solaris SPARC 10, 11, IBM AIX 6.1, 7.1

Included Paper Handling

550-Sheet Input, 100-Sheet Multipurpose Feeder, Integrated Duplex, 500-Sheet Output Bin

Optional Paper Handling

550-Sheet Tray, Inline Stapler, 2200-Sheet Tray

Paper Input Capacity, Standard

Up to 650 pages 75 gsm bond

Paper Input Capacity, Maximum

Up to 4500 pages 75 gsm bond

Paper Output Capacity, Standard

Up to 500 pages 75 gsm bond

Paper Output Capacity, Maximum

Up to 500 pages 75 gsm bond

Paper Weight Range Supported - Standard Tray (gsm)

60 - 176 gsm

Paper Weight Range Supported - Multipurpose Feeder (gsm)

60 - 176 gsm

Integrated Tray Card Stock Upper limit (grain short)

Cover - 300 gsm (110 lb), Index Bristol - 300 gsm (166 lb), Tag - 300 gsm (184 lb)

Finishing Option

Yes

Finishing Functions

Offset stacking, Stapling

Number of Paper Inputs, Standard

2

Number of Paper Inputs, Maximum

6

Media Types Supported

Card Stock, Dual Web Labels, Envelopes, Labels, Plain Paper, Polyester Labels, Vinyl Labels, Banner Paper, Refer to the Paper & Specialty Media Guide

Media Sizes Supported

10 Envelope, 7 3/4 Envelope, 9 Envelope, A4, A5, B5 Envelope, C4 Envelope, C5 Envelope, DL Envelope, Index Card, Executive, Folio, JIS-B5, Legal, Letter, 4 x 6", Statement, Universal, Oficio, A6

Caster Base

Optional

Standard Ports

One Internal Card Slot, USB 2.0 Specification Hi-Speed Certified (Type B), Gigabit Ethernet (10/100/1000), Front USB 2.0 Specification Hi-Speed Certified port (Type A), Two Rear USB 2.0 Specification Hi-Speed Certified ports (Type A)

Optional Network Ports

Marknet N8370 WiFi Option

Direct USB

Yes

Ethernet Network

Yes

Wireless

Wireless Option

Network Protocol Support

TCP/IP IPv4, TCP/IP IPv6, TCP, UDP

Network Printing Methods

LPR/LPD, Direct IP (Port 9100), Enhanced IP (Port 9400), Secure IP (Port 96xx), FTP, TFTP, ThinPrint .print integration, Telnet, IPP 1.0, 1.1, 2.0 (Internet Printing Protocol), Microsoft Web Services WSD, Pull Printing

Network Management Protocols¹

HTTP, HTTPS (SSL/TLS), SNMPv1, SNMPv2c, SNMPv3, WINS, IGMP, BOOTP, RARP, APIPA (AutolP), DHCP, ICMP, DNS, Bonjour, DDNS, mDNS, ARP, NTP, Telnet, Finger,

Network Security

SNMPv3, 802.1x Authentication: MD5, MSCHAPv2, LEAP, PEAP, TLS, TTLS, IPSec

Printer Languages (Standard)

PCL 5c Emulation, PCL 6 Emulation, Personal Printer Data Stream (PPDS), PostScript 3 Emulation, Direct Image, Microsoft XPS (XML Paper Specification), AirPrint™, PDF 1.7 emulation

Fonts and Symbol Sets

3 of 9 scalable PCL 5e fonts in Narrow, Regular and Wide, 2 PCL bitmap fonts, 39 scalable PPDS fonts, 84 scalable PCL fonts, OCR-A, OCR-B scalable PCL 5e fonts, For more information, refer to the Technical Reference., 165 scalable PostScript fonts, 15 PPDS bitmap fonts

Laser Cartridge Yields (up to)⁵

, 22,000-page Colour (CMY) Extra High Yield Cartridges, 33,000-page Black Extra High Yield Cartridge, 8,000-page Black and Colour (CMYK) Cartridges

Photoconductor Estimated Yield

Up to 175000 pages, based on 3 average letter/A4-size pages per print job and ~ 5% coverage⁴

Cartridge(s) Shipping with Product

8,000-page Black and Colour (CMYK) Return Program Toner Cartridges

Replacement Cartridges:

Product functions only with replacement cartridges designed for use in a specific geographical region. See www.lexmark.com/regions for more details.

Packaged Size (mm - H x W x D)

835 x 700 x 760 mm

Packaged Weight, kg

75 kg

Size (mm - H x W x D)

535.9 x 558.8 x 522.4 mm

Weight

62.3 kg

Noise Level, Idle

14 dBA

Noise Level (Print), Operating

56 dBA

Duplex Print Noise Level, Operating

57 dBA

Quiet Mode

52 dBA

ENERGY STAR

Yes

Average Power (Hibernate Mode)

0.3 watts

Average Power (Sleep Mode)

1.34 watts

Average Power (Ready Mode)

80 watts

Average Power (Printing)

800 watts

Average Power while Printing Duplex

765 watts

ENERGY STAR Typical Electricity Consumption (TEC)

0.89 kilowatt-hours per week

Product Warranty

1-Year Onsite Service

Product Certifications

ENERGY STAR, ICES-003 Class A, BSMI Class A, VCCI Class A, FCC Class A, NOM-032, UL, cUL, NOM, US FDA/CDRH, IEC 60825-1, CB Report, ISO-532B, CE (EU) DoC, EFTA (CE), KC logo, CCC, C-tick DoC, EuP, CECP, CEL, EC 1275/2008, ECMA-370, TED, SIL, TER, SABS, UL-AR, GS Mark, Green Dot, ISO-9296, COC, CCD-035 EcoLogo, Green Mark, EPEAT, Blue Angel (Blauer Engel), China Green Product (CGP)

Maximum Monthly Duty Cycle

Up to 200000 pages per month³

Recommended Monthly Page Volume

2500 - 25000 pages²

Specified Operating Environment

Humidity: 15 to 80% Relative Humidity,
Temperature: 10 to 32°C (50 to 90°F), Altitude:
0 - 2896 metres

License/Agreement Terms

Printers are sold subject to certain license/ agreement conditions. See www.lexmark.com/printerlicense for details.

Country of Origin

China (PRC)

UNSPSC Code

43212105

Developer Unit(s) Estimated Yield

Up to 300000 pages, based on 3 average letter/A4-size pages per print job and ~ 5% coverage

¹This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (<http://www.openssl.org/>)

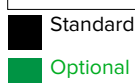
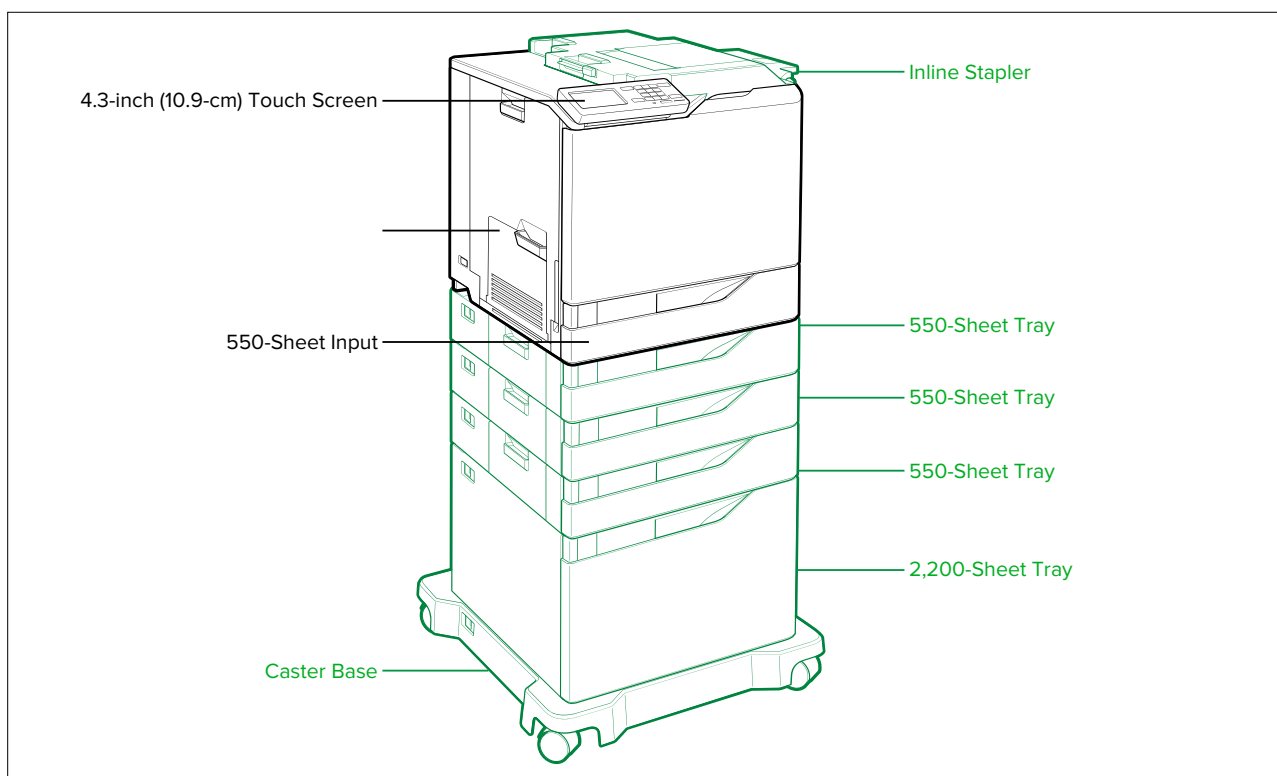
²"Recommended Monthly Page Volume" is a range of pages that helps customers evaluate Lexmark's product offerings based on the average number of pages customers plan to print on the device each month. Lexmark recommends that the number of pages per month be within the stated range for optimum device performance, based on factors including: supplies replacement intervals, paper loading intervals, speed, and typical customer usage.

³"Maximum Monthly Duty Cycle" is defined as the maximum number of pages a device could deliver in a month using a multishift operation. This metric provides a comparison of robustness in relation to other Lexmark printers and MFPs.

⁴Actual Yield may vary based on other factors such as device speed, paper size and feed orientation, toner coverage, tray source, percentage of black-only printing and average print job complexity.

⁵Average continuous black or continuous composite CMY declared cartridge yield up to this number of standard pages in accordance with ISO/IEC 19798.

⁶Print and copy speeds measured in accordance with ISO/IEC 24734 and ISO/IEC 24735 respectively (ESAT). For more information see: www.lexmark.com/ISOspeeds.



P/N	Toner Cartridges	P/N	Toner Cartridges	P/N	Connectivity
72K0DC0	Cyan Return Program Developer Unit	72K3XM0	CS820 Magenta Extra High Yield Return Program Toner Cartridge	27X6510	MarkNet N8370 802.11 a/b/g/n/ac Wireless Print Server
72K0D20	Cyan Developer Unit	72K3XY0	CS820 Yellow Extra High Yield Return Program Toner Cartridge	1021294	USB (2 Meter) Cable
72K0D30	Magenta Developer Unit	72K0X10	CS820, CX820, CX825 Black Extra High Yield Toner Cartridge	14F0100	RS-232C Serial Interface Card
72K0DM0	Magenta Return Program Developer Unit	72K0X20	CS820 Cyan Extra High Yield Toner Cartridge	SPD0002	Surge Protective Device, 220-240V
72K0D40	Yellow Developer Unit	72K0X30	CS820 Magenta Extra High Yield Toner Cartridge	P/N	Extended Warranties
72K0DY0	Yellow Return Program Developer Unit	72K0X40	CS820 Yellow Extra High Yield Toner Cartridge	2359916	CS820 1-Year Onsite Service
72K0W00	Waste Toner Bottle			2359917	CS820 2-Year Onsite Service
72K0FK0	Black Return Program Developer and Photoconductor Unit Pack			2359918	CS820 3-Year Onsite Service
72K0F10	Black Developer and Photoconductor Unit Pack	P/N	Paper Handling	2359919	CS820 4-Year Onsite Service
72K0FV0	Colour (CMY) Return Program Developer Kit and Photoconductors Pack	42K2000	CS820, CX820 Inline Staple Finisher	2359920	CS820 1-Year Onsite Service Renewal
72K0F50	Colour (CMY) Developer Kit and Photoconductors Pack	21K0567	550-Sheet Tray	2359921	CS820 1 Year Post Wty OSR NBD Extended Warranty
25A0013	Staple Cartridges (3 pack)	21K0237	2200-Sheet Tray	2367207	CS820 7 Years Total (1+6) Onsite Repair Next Business Day
72K30K0	CS820, CX82x, CX860 Black Return Program Toner Cartridge	P/N	Furniture	2365109	CS820 6 Years Total (1+5) Onsite Repair Next Business Day
72K30C0	CS820, CX82x, CX860 Cyan Return Program Toner Cartridge	21K2501	Caster Base	2365110	CS820 2 Years renewal OnSite Service, Response Time Next Business Day
72K30M0	CS820, CX82x, CX860 Magenta Return Program Toner Cartridge	P/N	Memory Options	2365111	CS820 3 Years renewal OnSite Service, Response Time Next Business Day
72K30Y0	CS820, CX82x, CX860 Yellow Return Program Toner Cartridge	27X0400	500+ GB Hard Disk	2365112	CS820 4 Years renewal OnSite Service, Response Time Next Business Day
72K0P00	Photoconductor – 1 Pack	57X9022	2GB x64 DDR3 RAM		
72K0Q00	Photoconductor – 3 Pack	57X9801	256MB Flash Memory Card	P/N	User Replaceable Parts
72K0DK0	Black Return Program Developer Unit	P/N	Application Solutions	41X0247	Fuser 220-240V
72K0D10	Black Developer Unit	21K0127	Forms and Bar Code Card	41X0245	Transfer Module
72K0DV0	Colour (CMY) Return Program Developer Kit	21K0128	Card for IPDS	41X0154	Transfer Roller
72K0D50	Colour (CMY) Developer Kit	21K0129	Card for PRESCRIBE Emulation	41X0993	Media Pick Roller
72K3XK0	Black Extra High Yield Return Program Toner Cartridge	57X0300	Contact Authentication Device	41X0929	Fuser Maintenance Kit 220-240V
72K3XC0	CS820 Cyan Extra High Yield Return Program Toner Cartridge	57X0301	Contactless Authentication Device		
		57X0210	Elatec Reader Authentication Device		
		57X0250	Elatec TWN4 MultiTech-P LEGIC 42 Kit Bosch-SPR000264		
		P/N	Connectivity		
		27X0142	Lexmark MarkNet™ N8230 Fiber Ethernet Print Server		