



Lexmark CX820de

The Lexmark CX820 workgroup colour A4 MFP prints up to 50 pages per minute and has business-class features like preinstalled software solutions and optional staple finisher.

Part Number

42K0016

Print Technology

Color Laser

Function

Color Copying, Color Faxing, Color Printing, Color Scanning, Color Network Scanning

Workgroup Size

Medium-Large Workgroup

Touch Screen Display

Yes

Display

Lexmark e-Task 17.8 cm colour touch screen with audible feedback

Print Speed (A4, Black)

Up to 50 ppm⁶

Print Speed (A4, Colour)

Up to 50 ppm⁶

Print Speed (A4, Black) Duplex

Up to 50 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)

Copy Speed (A4, Black)

Up to 50 cpm⁶

Copy Speed (A4, Colour)

Up to 50 cpm⁶

Time to First Copy (Black)

As fast as 6.5 seconds

Time to First Copy (Colour)

As fast as 7.5 seconds

Reduce / Enlarge Range

25 - 400 %

A4/Ltr Simplex Scan Speed (Black)

Up to 57 / 60 sides per minute

Scan Speed (A4/Ltr, Colour)

Up to 57 / 60 sides per minute

A4/Ltr Duplex Scan Speed (Black)

Up to 114 / 120 sides per minute

Duplex Scan Speed (A4/Ltr, Colour)

Up to 114 / 120 sides per minute

Scan Area, Maximum (mm)

216 x 355 mm

ADF Scan

DADF (single pass Duplex)

Scanner Type

Flatbed scanner with ADF

Scan Technology

CCD

Optical Scanning Resolution

1200 X 600 ppi

Scan File Formats (Send as)

JPEG, JPG, PDF, Secure PDF, TIFF, XPS, Archival PDF (A-1a, A-1b), Highly compressed PDF (1GB RAM and hard disk required), Searchable PDF

Scan Destinations

e-mail, FTP, USB Flash drive, USB or Network connected computer, Lexmark Document Solutions Suite (LDSS)

Modem Speed

ITU T.30, V.34 Half-Duplex, 33.6 Kbps

Fax Transmission Speed

< 3 seconds per page

Processor Speed

Quad Core 1.33 GHz

Memory, Standard

2048 MB

Memory, Maximum

4096 MB

Hard Disk

Included in configuration

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 2 on SUSE Linux Enterprise Server 10 SP4, Novell Open Enterprise Server 11 on SUSE Linux Enterprise Server 11

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, 300-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 300 pages 75 gsm bond

Paper Output Capacity, Maximum

Up to 300 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)

ADF

150-Sheet Automatic Document Feeder

ADF Paper Input Capacity

Up to 150 pages 75 gsm bond

ADF Paper Output Capacity

Up to 150 pages 75 gsm bond

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), Two Rear USB 2.0 Specification Hi-Speed Certified ports (Type A), Two Front USB 2.0 Specification Hi-Speed Certified port (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 (AutoIP), 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

, 33,000-page Black Extra High Yield Cartridge, 17,000-page Colour (CMY) High Yield Cartridges, 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)

1053 x 760 x 760 mm

Packaged Weight, kg

95.91 kg

Size (mm - H x W x D)

763 x 559 x 588 mm

Weight

82.3 kg

Noise Level, Idle

15 dBA

Noise Level (Print), Operating

55 dBA

Duplex Print Noise Level, Operating

56 dBA

Noise Level (Copy), Operating

58 dBA

Noise Level (Scan), Operating

55 dBA

Quiet Mode

52 dBA

ENERGY STAR

Yes

Average Power (Hibernate Mode)

0.3 watts

Average Power (Sleep Mode)

1.46 watts

Average Power (Ready Mode)

80 watts

Average Power (Printing)

760 watts

Average Power while Printing Duplex

740 watts

Average Power (Copying)

870 watts

Average Power (Scanning)

115 watts

ENERGY STAR Typical Electricity

Consumption (TEC)

0.8 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, CECF, CEL, EC 1275/2008, ECMA-370, TED, SII, 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

43212110

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

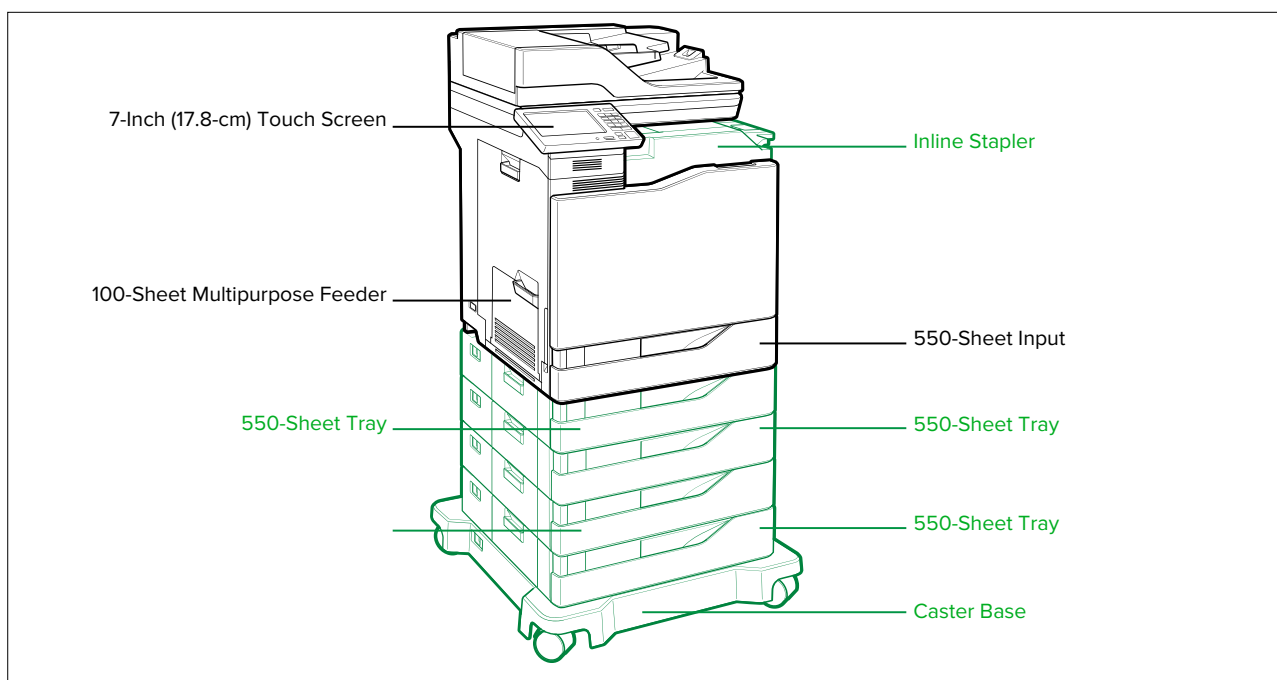
the number of pages per month be within the stated range for optimum device performance, based on factors including: supplies replacement intervals, paper loading intervals, speed, and typical customer usage.

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.



Standard

Optional

P/N	Toner Cartridges	P/N	Toner Cartridges	P/N	Extended Warranties
72K0DC0	Cyan Return Program Developer Unit	82K3HY0	CX82x, CX860 Yellow High Yield Return Program Toner Cartridge	2359958	CX820 2-Year Onsite Service
72K0D20	Cyan Developer Unit			2359959	CX820 3-Year Onsite Service
72K0D30	Magenta Developer Unit	82K0H20	CX820 Cyan High Yield Toner Cartridge	2359960	CX820 4-Year Onsite Service
72K0DM0	Magenta Return Program Developer Unit	82K0H30	CX820 Magenta High Yield Toner Cartridge	2359961	CX820 1-Year Onsite Service Renewal
72K0D40	Yellow Developer Unit			2359962	CX820 1 Year Post Wty OSR NBD Extended Warranty
72K0DY0	Yellow Return Program Developer Unit	82K0H40	CX820 Yellow High Yield Toner Cartridge	2367398	CX820 7 Years Total (1+6) Onsite Repair Next Business Day
72K0W00	Waste Toner Bottle				CX820 6 Years Total (1+5) Onsite Repair Next Business Day
72K0FK0	Black Return Program Developer and Photoconductor Unit Pack	P/N	Paper Handling	2365776	CX820 2 Years renewal OnSite Service, Response Time Next Business Day
72K0F10	Black Developer and Photoconductor Unit Pack	42K2000	CS820, CX820 Inline Staple Finisher	2365777	CX820 3 Years renewal OnSite Service, Response Time Next Business Day
72K0FV0	Colour (CMY) Return Program Developer Kit and Photoconductors Pack	21K0567	550-Sheet Tray		CX820 4 Years renewal OnSite Service, Response Time Next Business Day
72K0F50	Colour (CMY) Developer Kit and Photoconductors Pack	21K0237	2200-Sheet Tray	2365778	CX820 3 Years renewal OnSite Service, Response Time Next Business Day
25A0013	Staple Cartridges (3 pack)	P/N	Furniture	2365779	CX820 4 Years renewal OnSite Service, Response Time Next Business Day
72K30K0	CS820, CX82x, CX860 Black Return Program Toner Cartridge	21K2501	Caster Base		
72K30C0	CS820, CX82x, CX860 Cyan Return Program Toner Cartridge	P/N	Memory Options		
72K30M0	CS820, CX82x, CX860 Magenta Return Program Toner Cartridge	27X0400	500+ GB Hard Disk		
72K30Y0	CS820, CX82x, CX860 Yellow Return Program Toner Cartridge	57X9022	2GB x64 DDR3 RAM		
72K0P00	Photoconductor – 1 Pack	57X9801	256MB Flash Memory Card		
72K0Q00	Photoconductor – 3 Pack	P/N	Application Solutions	P/N	User Replaceable Parts
72K0DK0	Black Return Program Developer Unit	21K0127	Forms and Bar Code Card	41X0247	Fuser 220-240V
72K0D10	Black Developer Unit	21K0128	Card for IPDS	41X0245	Transfer Module
72K0DV0	Colour (CMY) Return Program Developer Kit	21K0129	Card for PRESCRIBE Emulation	41X0154	Transfer Roller
72K0D50	Colour (CMY) Developer Kit	57X0300	Contact Authentication Device	41X0993	Media Pick Roller
72K3XK0	Black Extra High Yield Return Program Toner Cartridge	57X0301	Contactless Authentication Device	41X0360	ADF Separation Roller
72K0X10	CS820, CX820, CX825 Black Extra High Yield Toner Cartridge	57X0210	Elatec Reader Authentication Device	41X0358	ADF Media Pick Roller
82K3HC0	CX82x, CX860 Cyan High Yield Return Program Toner Cartridge	57X0250	Elatec TWN4 MultiTech-P LEGIC 42 Kit Bosch-SPR000264	41X0359	ADF Feed Belt
82K3HM0	CX82x, CX860 Magenta High Yield Return Program Toner Cartridge	P/N	Connectivity	41X0931	ADF Maintenance Kit
		57X7020	English Keyboard Kit	41X0929	Fuser Maintenance Kit 220-240V
		27X0142	Lexmark MarkNet™ N8230 Fiber Ethernet Print Server		
		27X6510	MarkNet N8370 802.11 a/b/g/n/ac Wireless Print Server		
		1021294	USB (2 Meter) Cable		
		SPD0002	Surge Protective Device, 220-240V		
		P/N	Extended Warranties		
		2359957	CX820 1-Year Onsite Service		