



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

42K0020

Print Technology

Colour Laser

Function

Colour Copying, Colour Faxing, Colour Printing, Colour Scanning, Colour Network Scanning

Workgroup Size

Medium-Large Workgroup

Touch Screen Display

Yes

Display

Lexmark e-Task 17.8 cm (7-inch) colour touch screen

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

A4/Ltr Simplex Scan Speed (Colour)

Up to 57 / 60 sides per minute

A4/Ltr Duplex Scan Speed (Black)

Up to 114 / 120 sides per minute

A4/Ltr Duplex Scan Speed (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 dpi

Scan File Formats (Send as)

JPEG, JPG, PDF, Secure PDF, TIFF, 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 Connectivity

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, 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 Programme 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 mode)

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 Guarantee

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, 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 (9,500 Feet)

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/>)

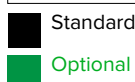
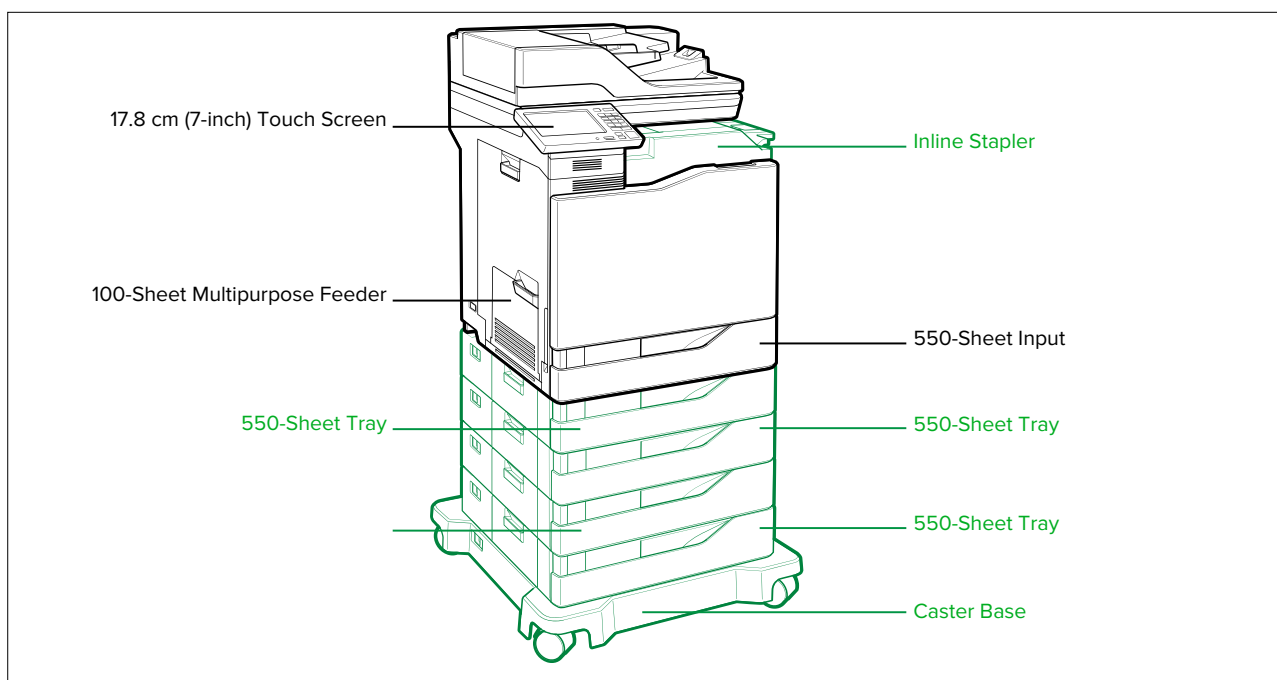
²"Recommended Monthly Page Volume" is a range of pages that helps customers evaluate Lexmark's product offerings based on the average number of pages customers plan to print on the device each month. Lexmark recommends that the number of pages per month be within the stated range for optimum device performance, 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.



P/N	Toner Cartridges	P/N	Toner Cartridges	P/N	Toner Cartridges
72K2XKE	Lexmark CS/CX820, CX825, 860 Black Corporate 33K Toner Cartridge	25A0013	Staple Cartridges (3 pack)	82K2HMO	Lexmark CX820, 825, 860 Magenta Return Programme 17K Toner Cartridge
82K2HCE	Lexmark CX820, 825, 860 Cyan Corporate 17K Toner Cartridge	72K20K0	Lexmark CS/CX820, CX825, 860 Black Return Programme 8K Toner Cartridge	82K2HY0	Lexmark CX820, 825, 860 Yellow Return Programme 17K Toner Cartridge
82K2HME	Lexmark CX820, 825, 860 Magenta Corporate 17K Toner Cartridge	72K20C0	Lexmark CS/CX820, CX825, 860 Cyan Return Programme 8K Toner Cartridge	82K0H20	Lexmark CX820 Cyan 17K Toner Cartridge
82K2HYE	Lexmark CX820, 825, 860 Yellow Corporate 17K Toner Cartridge	72K20M0	Lexmark CS/CX820, CX825, 860 Magenta Return Programme 8K Toner Cartridge	82K0H30	Lexmark CX820 Magenta 17K Toner Cartridge
72K0DC0	Lexmark CS/CX820, 827, CX825, 860, C6160, XC6152, 6153, 8155, 8160, 8163 Cyan Return Programme 300K Developer	72K20Y0	Lexmark CS/CX820, CX825, 860 Yellow Return Programme 8K Toner Cartridge	82K0H40	Lexmark CX820 Yellow 17K Toner Cartridge
72K0D20	Lexmark CS/CX820, 827, CX825, 860, C6160, XC6152, 6153, 8155, 8160, 8163 Cyan 300K Developer	72K0P00	Lexmark CS/CX820, 827, CX825, 860, C6160, XC6152, 6153, 8155, 8160, 8163 1-Pack 175K Photoconductor Kit	72K20KE	Lexmark CS/CX820, CX825, 860 Black Corporate 8K Toner Cartridge
72K0D30	Lexmark CS/CX820, 827, CX825, 860, C6160, XC6152, 6153, 8155, 8160, 8163 Magenta 300K Developer	72K0Q00	Lexmark CS/CX820, 827, CX825, 860, C6160, XC6152, 6153, 8155, 8160, 8163 3-Pack 175K Photoconductor Kit	72K20CE	Lexmark CS/CX820, CX825, 860 Cyan Corporate 8K Toner Cartridge
72K0DM0	Magenta Return Programme Developer Unit	72K0DK0	Black Return Programme Developer Unit	72K20ME	Lexmark CS/CX820, CX825, 860 Magenta Corporate 8K Toner Cartridge
72K0D40	Lexmark CS/CX820, 827, CX825, 860, C6160, XC6152, 6153, 8155, 8160, 8163 Yellow 300K Developer	72K0D10	Lexmark CS/CX820, 827, CX825, 860, C6160, XC6152, 6153, 8155, 8160, 8163 Black 300K Developer	72K20YE	Lexmark CS/CX820, CX825, 860 Yellow Corporate 8K Toner Cartridge
72K0DY0	Yellow Return Programme Developer Unit	72K0DV0	Colour (CMY) Return Programme Developer Kit		
72K0W00	Lexmark CS/CX820, 827, CX825, 860, C6160, XC6152, 6153, 8155, 8160, 8163 115K Waste Container	72K0D50	Lexmark CS/CX820, 827, CX825, 860, C6160, XC6152, 6153, 8155, 8160, 8163 3-Colour 300K Developer-PC Kit	P/N	Paper Handling
72K0FK0	Lexmark CS/CX820, 827, CX825, 860, C6160, XC6152, 6153, 8155, 8160, 8163 Black Return Programme 175K Developer	72K2XK0	Lexmark CS/CX820, CX825, 860 Black Return Programme 33K Toner Cartridge	42K2000	CS820, CX820 Inline Staple Finisher
72K0F10	Lexmark CS/CX820, 827, CX825, 860, C6160, XC6152, 6153, 8155, 8160, 8163 Black 175K Developer	72K0X10	Lexmark CS/CX820, CX825 Black 33K Toner Cartridge	21K0787	Envelope Tray
72K0FV0	Colour (CMY) Return Programme Developer Kit and Photoconductors Pack	82K2HC0	Lexmark CX820, 825, 860 Cyan Return Programme 17K Toner Cartridge	21K0567	550-Sheet Tray
72K0F50	Lexmark CS/CX820, 827, CX825, 860, C6160, XC6152, 6153, 8155, 8160, 8163 3-Colour 175K Developer-PC Kit			21K0237	2200-Sheet Tray
				P/N	Furniture
				21K2501	Caster Base
				P/N	Memory Options
				27X0400	500+ GB Hard Disk
				57X9022	2GB x64 DDR3 RAM
				57X9801	256MB Flash Memory Card
				57X9814	Korean Font Card
				57X9815	Japanese Font Card
				57X9812	Simplified Chinese Font Card
				57X9810	Traditional Chinese Font Card
				P/N	Application Solutions
				21K0127	Forms and Bar Code Card

P/N	Application Solutions
21K0128	Card for IPDS
21K0129	Card for PRESCRIBE Emulation
57X0300	Contact Authentication Device
57X0301	Contactless Authentication Device
57X0210	Elatec Reader Authentication Device

P/N	Connectivity
57X7020	English Keyboard Kit
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 2-Years Total (1+1) Onsite Service
2359958	CX820 3-Years Total (1+2) Onsite Service
2359959	CX820 4-Years Total (1+3) Onsite Service
2359960	CX820 5-Years Total (1+4) Onsite Service
2359961	CX820 1-Year Onsite Service Renewal
2367398	CX820,XC6152 7 Years Total (1+6) Onsite Repair Next Business Day
2360869	CX820 3 Year Upgrade from Initial to Next Business Day extended Guarantee
2365776	CX820,XC6152 6 Years Total (1+5) Onsite Repair Next Business Day
2365777	CX820,XC6152 2 Years renewal OnSite Service, Response Time Next Business Day
2365778	CX820,XC6152 3 Years renewal OnSite Service, Response Time Next Business Day
2365779	CX820,XC6152 4 Years renewal OnSite Service, Response Time Next Business Day

P/N	User Replaceable Parts
41X0247	Fuser 220-240V
41X0245	Transfer Module
41X0154	Transfer Roller
41X0993	Media Pick Roller
41X0360	ADF Separation Roller
41X0358	ADF Media Pick Roller
41X0359	ADF Feed Belt
41X0931	ADF Maintenance Kit
41X0929	Fuser Maintenance Kit 220-240V