



# Lexmark MX431adn

Get output of up to 40 pages per minute\*, plus double-side automatic scanning, copying, faxing and touch-screen convenience, all in the compact Lexmark MX431adn.

**Part Number**

29S0210

**Print technology**

Black & White Laser Printer

**Functionality**

Colour Scanning, Copying, Faxing, Network Scanning, Printing

**Workgroup size**

Small workgroup

**Touch screen display**

Yes

**Display**

2.8 inch (7.2 cm) LCD touch panel

**Print speed (A4, black)**

Up to 40 ppm<sup>6</sup>

**Print speed (A4, black) duplex**

Up to 18 spm<sup>6</sup>

**Time to first page (black)**

As fast as 5.9 seconds

**Duplex (2-sided) printing**

Integrated Duplex

**Print resolution, black**

2400 IQ (2400 x 600 dpi), 600 x 600 dpi

**Copy speed (A4, black)**

Up to 39 cpm<sup>6</sup>

**Copy speed (A4, black) duplex**

Up to 18 spm<sup>6</sup>

**Time to first copy (black)**

As fast as 5.9 seconds

**Reduce / enlarge range**

25 - 400 %

**Simplex scan speed (A4, black)**

Up to 46 / 48 spm

**Simplex scan speed (A4, colour)**

Up to 20 / 21 spm

**Duplex scan speed (A4, black)**

Up to 92 / 96 spm

**Duplex scan speed (A4, colour)**

Up to 40 / 42 spm

**Scan area, maximum**

216 x 356 mm

**ADF scan**

DADF (single pass Duplex)

**Scanner type**

Flatbed scanner with ADF

**Scan technology**

CIS

**Scan resolution, enhanced**

Up to 600 x 600 dpi

**Scan resolution, optical**

Up to 600 dpi

**Scan file formats (send as)**

JPEG, JPG, PDF, TIFF

**Scan destinations**

e-mail, FTP, USB or Network connected computer

**Modem speed**

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

**Fax transmission speed**

< 3 seconds per page

**Processor speed**

Dual Core, 1.0 GHz

**Memory, standard**

512 MB

**Memory, maximum**

512 MB

**Hard Disk**

Not available

**Apple Operating Systems Supported**

Support is provided through AirPrint and AirScan only

**Citrix MetaFrame**

Microsoft Windows 2000 Server running Terminal Services with Citrix MetaFrame XP Presentation Server or Citrix MetaFrame Presentation Server 3.0., 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, Microsoft Windows 2000 Server running Terminal Services with Citrix MetaFrame Presentation Server 4.0

**Linux operating systems supported**

openSUSE Linux 42.3, Fedora 27, 28, 29, Ubuntu 16.04, 18.04 LTS, Red Hat Enterprise Linux WS 6.10, 7.5, 7.6, Debian 9.4, 9.5, 9.6, Debian GNU/Linux 8.11, openSUSE Linux 15, SUSE Linux Enterprise Server 12 SP3, SUSE Linux Enterprise Server 12 SP4, SUSE Linux Enterprise Server 15

**Microsoft Windows operating systems supported**

Windows 7, Windows 7 x64, Windows 8, Windows 8 x64, Windows 8.1, Windows 8.1 x64, Windows 10

**Novell operating systems supported**

Novell NetWare 6.5 Open Enterprise Server, Novell Open Enterprise Server 2 (SP3) on SuSE Linux Enterprise Server 10 SP4 (x86 and x64) 3, Novell Open Enterprise Server 11 (SP3) on SuSE Linux Enterprise Server 11 SP4 (x86 and x64), Novell Open Enterprise Server 11 (SP3) on SuSE Linux Enterprise Server 12 SP1 (x86 and x64), Novell Open Enterprise Server 15 (SP1) on SuSE Linux Enterprise Server 11 SP4 (x86 and x64)

**Standard paper handling**

250-sheet input, 100-Sheet Multipurpose Feeder, 150-sheet output bin, Integrated Duplex

**Optional paper handling**

550-Sheet Tray, 550-Sheet Lockable Tray

**Paper input capacity, standard**

Up to 350 pages

**Paper input capacity, maximum**

Up to 900 pages

**Paper output capacity, standard**

Up to 150 pages

**Paper output capacity, maximum**

Up to 150 pages

**Paper weight range supported - standard tray**

60 - 120 g/m<sup>2</sup>

**Paper weight range supported - multipurpose feeder**

60 - 217 g/m<sup>2</sup>

**Autom. document feeder (ADF)**

50-sheet autom. document feeder

**ADF paper input capacity**

Up to 50 pages

**ADF paper output capacity**

Up to 50 pages

**Finishing**

No

**Number of paper inputs, standard**

2

**Number of paper inputs, maximum**

3

**Media types supported**

Card Stock, Envelopes, Paper Labels, Plain Paper, Refer to the Paper & Specialty Media Guide

**Media sizes supported**

10 Envelope, 7 3/4 Envelope, 9 Envelope, A4, A5, DL Envelope, Executive, Folio, JIS-B5, Legal, Letter, Statement, Universal, Oficio, A6

**Standard connectivity**

USB port (compatible with USB 2.0 specification, type B), Gigabit Ethernet (10/100/1000)

**Direct USB**

Yes

**Ethernet network**

Yes

**Wireless**

Wireless Option

**Network protocol support**

TCP/IP IPv4, TCP/IP IPv6, TCP, UDP, IPSEC w/ IPv4, IPSEC w/ IPv6, ICMP, IGMP, 802.1x

**Network printing methods**

LPR/LPD, Enhanced IP (Port 9400), FTP, TFTP, IPP 1.0, 1.1, 2.0 (Internet Printing Protocol), Microsoft Web Services WSD

**Network management protocols<sup>1</sup>**

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

**Network security**

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

**Printable area**

5.0 mm of the top, bottom, right and left edges (within)

**Printer languages (standard)**

PCL 5c Emulation, PCL 5e Emulation, PCL 6 Emulation, PostScript 3 Emulation, Direct Image

**Fonts and symbol sets**

3 of 9 scalable PCL 5e fonts in Narrow, Regular and Wide, 2 PCL bitmap fonts, 89 scalable PostScript fonts, For more information, refer to the Technical Reference., 89 scalable PCL fonts

**Cartridge yields: up to<sup>5</sup>**

3000-page cartridge, 15,000-page High Yield Cartridge, 20,000-page black cartridge,

**Imaging unit yield**

Up to 40000 pages, based on average 3 pages per print job and 5% coverage<sup>4</sup>

**Cartridge(s) shipped with product**

3000-page black starter Return Programme toner cartridge

**Replacement cartridges:**

Product functions only with replacement cartridges designed for use in a specific geographical region. See [www.lexmark.com/](http://www.lexmark.com/) regions for more details.

**Packaged size (HxWxD)**

385 x 420 x 465 mm

**Packaged weight**

14.7 kg

**Size (HxWxD)**

339 x 411 x 366 mm

**Weight**

12.8 kg

**Noise level, idle**

14 dBA

**Noise Level (Print), Operating**

53 dBA

**Duplex print noise level, operating**

50 dBA

**Noise Level (Copy), Operating**

59 dBA

**Noise Level (Scan), Operating**

58 dBA

**Quiet mode**

48 dBA

**Energy Star**

Yes

**Average power in Hibernate mode**

0.1 Watt

**Average power in Sleep mode**

0.9 Watt

**Average power in Ready mode**

Watt

**Average power while printing**

580 Watt

**Average power while printing duplex**

330 Watt

**Average power while copying**

Watt

**Average power while scanning**

Watt

**Energy Star Typical Electricity Consumption (TEC)**

0.47 kWh per week

**Product guarantee**

1-Year Return-to-Base Service

**Product certifications**

ENERGY STAR, ICES-003 Class B, BSMI Class B, US FDA, UL 60950-1, FCC Class B, cUL CAN/CSA-C22.2 60950-1, NOM, CB EN/IEC 60950-1, CB EN/IEC 60825-1, CE DoC (EN 62301 Class B, EN 62311, CE EN/IEC 60950-1, CE EN/IEC 60825-1, EN 61000-3, EN 55022 Class B, EuP, EN 55024, UL), EFTA (CE), KCC, CCC, CECP, CEL, C-tick DoC, UL-AR, KC mark, UL GS mark, EC 1275, MET-I, ISO 532B, ECMA-370, TED, GOST-R, SII, TER, DE-UZ 205, China Green Product (CGP), Mopria Certified

**Maximum monthly duty cycle**

Up to 80000 pages per month<sup>3</sup>

**Recommended monthly page volume**

800 - 8000 pages<sup>2</sup>

**Specified operating environment**

Humidity: 8 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/](http://www.lexmark.com/) printerlicense for details.

**Country of origin**

US/Canada/LV LAD - Mexico, LA HV, AP & EMEA - PRC

**UNSPSC code**

43212110

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

<sup>2</sup>"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.

<sup>3</sup>"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.

<sup>4</sup>Actual 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.

<sup>5</sup>Average standard page yield value declared in accordance with ISO/IEC 19752.

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



Callout	Availability	Description
1	Standard	7.2 cm (2.8-inch) LCD touch panel
2	Standard	100-Sheet Multipurpose Feeder
3	Standard	250-Sheet Input
4	Optional	550-Sheet Tray

P/N	Toner Cartridges	P/N	Extended Warranties
55B2000	Lexmark MS/MX331, 431 Return Programme 3K Toner Cartridge	2372100	MX431 4 Year Renewal Onsite Repair Next Business Day Fix
55B2H00	Lexmark MS/MX331, 431 Return Programme 15K Toner Cartridge	2372152	MX431 Per Call Preventive Maintenance w/ Kit
55B0ZA0	Lexmark MS/MX331, 431, B3340, B/MB3442, M/XM1342 40K Imaging Unit		
55B0XA0	Lexmark MS/MX431 20K Toner Cartridge		
55B2X00	Lexmark MS/MX431 Return Programme 20K Toner Cartridge		
55B200E	Lexmark MS/MX331, 431 Corporate 3K Toner Cartridge		
55B2H0E	Lexmark MS/MX331, 431 Corporate 15K Toner Cartridge		
55B2X0E	Lexmark MS/MX431 Corporate 20K Toner Cartridge		

#### P/N Paper Handling

29S0600	550-Sheet Tray
29S0800	550-Sheet Lockable Tray

#### P/N Furniture

3073173	Swivel cabinet (25 cm, incl. storage)
35S8502	Printer Stand (adjustable height)

#### P/N Connectivity

27X6410	Lexmark MarkNet N8372 802.11 a/b/g/n/ac Wireless Print Server
1021294	USB Cable (2 meter)

#### P/N Extended Warranties

2372076	MX431 Upgrade to Onsite Service
2372077	MX431 2-Years Total (1+1) Onsite Service
2372078	MX431 3-Years Total (1+2) Onsite Service
2372079	MX431 4-Years Total (1+3) Onsite Service
2372080	MX431 5-Years Total (1+4) Onsite Service
2372081	MX431 6-Years Total (1+5) Onsite Service
2372082	MX431 7-Years Total (1+6) Onsite Service
2372083	MX431 1-Year Onsite Service Renewal
2372084	MX431 2-Year Onsite Service Renewal
2372085	MX431 3-Year Onsite Service Renewal
2372086	MX431 4-Year Onsite Service Renewal
2372087	MX431 Per Call OSR 1 Time NBD Extended Warranty
2372088	MX431 1-Year Post Wty OSR NBD Ext Warranty
2372089	MX431 Upgrade to Onsite Repair Next Business Day Fix
2372091	MX431 2-Years Total (1+1) Onsite Repair Next Business Day Fix
2372092	MX431 3-Years Total (1+2) Onsite Repair Next Business Day Fix
2372093	MX431 4-Years Total (1+3) Onsite Repair Next Business Day Fix
2372094	MX431 5-Years Total (1+4) Onsite Repair Next Business Day Fix
2372095	MX431 6-Years Total (1+5) Onsite Repair Next Business Day Fix
2372096	MX431 7-Years Total (1+6) Onsite Repair Next Business Day Fix
2372097	MX431 1 Year Renewal Onsite Repair Next Business Day Fix
2372098	MX431 2 Year Renewal Onsite Repair Next Business Day Fix
2372099	MX431 3 Year Renewal Onsite Repair Next Business Day Fix