



Lexmark MX431adw

Get output up to 42 pages per minute*, plus double-side automatic scanning, copying, faxing, touch-screen convenience and Wi-Fi, all in the compact Lexmark MX431adw.

Part Number

29S0500

Print Technology

Monochrome Laser

Function

Color 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 (Letter, Black)

Up to 42 ppm⁶

Print Speed (Letter, Black) Duplex

Up to 18 spm⁶

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 (Letter, Black)

Up to 42 cpm⁶

Copy Speed (Letter, Black) Duplex

Up to 18 spm⁶

Time to First Copy (Black)

As fast as 5.9 seconds

Reduce / Enlarge Range

25 - 400 %

A4/Ltr Simplex Scan Speed (Black)

Up to 46 / 48 sides per minute

A4/Ltr Simplex Scan Speed (Color)

Up to 20 / 21 sides per minute

A4/Ltr Duplex Scan Speed (Black)

Up to 92 / 96 sides per minute

A4/Ltr Duplex Scan Speed (Color)

Up to 40 / 42 sides per minute

Scan Area, Maximum

8.5 x 14 inches

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 Server 2012 R2 Datacenter Edition running Citrix XenApp 7.5, 6, 7, 8, 9, 11, 12, 13, 14, 15, 16, Microsoft Windows Server 2012 Datacenter Edition running Citrix XenApp 7.5, 6, 7, 8, 9, 11, 12, 13, 14, 15, 16, Microsoft Windows Server 2012 Foundation running Citrix XenApp 6.0, 6.5, Microsoft Windows Server 2012 Essentials running Citrix XenApp 6.0, 6.5, Microsoft Windows Server 2012 Standard running Citrix XenApp 6.0, 6.5

Linux Operating Systems Supported

Ubuntu 20.04, Debian 10, SUSE Linux Enterprise Server 12 SP5, OpenSUSE 15.2, Debian 11, Ubuntu 22.04, Fedora 36, Fedora 37, SUSE Linux Enterprise Server 15 SP4, OpenSUSE 15.4, Red Hat Linux 8.7, Red Hat Linux 9.1

Microsoft Windows Operating Systems Supported

Windows 7, Windows 7 x64, Windows 8, Windows 8 x64, Windows Server 2012, Windows 8.1, Windows Server 2012 R2, Windows 10, Windows Server 2016, Windows Server 2019, Windows Server 2022, Windows 11

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)

Included 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 20 lb or 75 gsm bond

Paper Input Capacity, Maximum

Up to 900 pages 20 lb or 75 gsm bond

Paper Output Capacity, Standard

Up to 150 pages 20 lb or 75 gsm bond

Paper Output Capacity, Maximum

Up to 150 pages 20 lb or 75 gsm bond

Paper Weight Range Supported - Standard Tray (lb.)

16 - 32 lb.

Paper Weight Range Supported - Multipurpose Feeder (lb.)

16 - 58 lb.

ADF

50-Sheet Automatic Document Feeder

ADF Paper Input Capacity

Up to 50 pages 20 lb or 75 gsm bond

ADF Paper Output Capacity

Up to 50 pages 20 lb or 75 gsm bond

Finishing Option

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 Ports

Ethernet 10/100BaseTX (RJ-45), USB Compatible with USB 2.0 Specification (Type B)

Direct USB

Yes

Ethernet Network

Yes

Wireless

Yes

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 Protocols¹

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

0.2 inches 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

Laser Cartridge Yields (up to)⁵

3,000-page Cartridge, 15,000-page High Yield Cartridge, 20,000-page Black Extra High Yield Cartridge,

Imaging Unit Estimated Yield

Up to 40000 pages, based on 5 average letter/A4 size pages per print job and ~ 5% coverage for CS/CX96x, CX83x, CX95x, and MX95x printer series, or based on 3 average letter/A4 size pages per print job and ~ 5% coverage for all other printers⁴

Cartridge(s) Shipping with Product

3,000-page Black Return Program Toner Cartridge

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 (in. - H x W x D)

15.16 x 16.54 x 18.31 in.

Packaged Weight (lb.)

32.41 lb.

Size (in. - H x W x D)

13.3 x 16.2 x 14.4 in.

Weight (lb.)

28.2 lb.

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

ENERGY STAR

Yes

Average Power (Hibernate Mode)

0.1 watts

Average Power (Sleep Mode)

1.1 watts

Average Power (Ready Mode)

watts

Average Power (Printing)

580 watts

Average Power (Copying)

watts

Average Power (Scanning)

watts

ENERGY STAR Typical Electricity Consumption (TEC)

0.54 kilowatt-hours per week

Limited Warranty - See Statement of Limited Warranty

1-Year Advanced Exchange, Next Business Day

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, Wi-Fi CERTIFIED, China Green Product (CGP), Mopria Certified

Maximum Monthly Duty Cycle

Up to 80000 pages per month³

Recommended Monthly Page Volume

800 - 8000 pages²

Specified Operating Environment

Humidity: 8 to 80% Relative Humidity, Temperature: 10 to 32°C (50 to 90°F), Altitude: 0 - 2896 Meters (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

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

UNSPSC Code

43212110

Harmonized Tariff Code

8443.31.0000

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 standard page yield value declared in accordance with ISO/IEC 19752.

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.



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

| P/N | Toner Cartridges |
|---------|--|
| 55B1000 | Lexmark MS/MX331, 431, MX432 Return Program 3K Toner Cartridge |
| 55B1H00 | Lexmark MS/MX331, 431, MX432 Return Program 15K Toner Cartridge |
| 55B0ZA0 | Lexmark MS/MX331, 431, MX432, B3340, B/MB3442, M/XM1342 40K Imaging Unit |
| 55B0XA0 | Lexmark MS/MX431, MX432 20K Toner Cartridge |
| 55B1X00 | Lexmark MS/MX431, MX432 Return Program 20K Toner Cartridge |

| P/N | Paper Handling |
|---------|-------------------------|
| 29S0600 | 550-Sheet Tray |
| 29S0800 | 550-Sheet Lockable Tray |

| P/N | Furniture |
|---------|--------------------------|
| 3073173 | Swivel Cabinet |
| 35S8502 | Adjustable Printer Stand |

| 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 |
|---------|--|
| 2372062 | MX431 2-Years Total (1+1) Exchange Service |
| 2372063 | MX431 3-Years Total (1+2) Exchange Service |
| 2372064 | MX431 4-Years Total (1+3) Exchange Service |
| 2372065 | MX431 5-Years Total (1+4) Exchange Service |
| 2372066 | MX431 6-Years Total (1+5) Exchange Service |
| 2372067 | MX431 7-Years Total (1+6) Exchange Service |
| 2372068 | MX431 1-Year Exchange Service Renewal |
| 2372069 | MX431 2-Year Exchange Service Renewal |
| 2372070 | MX431 3-Year Exchange Service Renewal |
| 2372071 | MX431 4-Year Exchange Service Renewal |
| 2372072 | MX431 Per Call 1 Time NBD Exchange Extended Warranty |
| 2372073 | MX431 1-Year Post Wty NBD Exchange Extended Warranty |
| 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 |

| P/N | Extended Warranties |
|---------|--|
| 2372088 | MX431 1-Year Post Wty OSR NBD Ext Warranty |