Lexmark MS431dn

Light, compact and fast, the MS431dn supports output of up to 40 pages per minute*, multiple connectivity options and an optional 550-sheet paper tray.

Part Number
29S0060

Print Technology
Black & White Laser Printer

Workgroup Size
Small Workgroup

Touch Screen Display
No

Display
2-line All Points Addressable (APA) monochrome LCD display

Print Speed (A4, Black)
Up to 40 ppm[6]

Print Speed (A4, Black) Duplex
Up to 18 spm[6]

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

Processor Speed
Dual Core, 1.0 GHz

Memory, Standard
256 MB

Memory, Maximum
256 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 8.1, 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)

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 75 gsm bond

Paper Input Capacity, Maximum
Up to 900 pages 75 gsm bond

Paper Output Capacity, Standard
Up to 150 pages 75 gsm bond

Paper Output Capacity, Maximum
Up to 150 pages 75 gsm bond

Paper Weight Range Supported - Standard Tray (gsm)
60 - 120 gsm

Paper Weight Range Supported - Multipurpose Feeder (gsm)
60 - 217 gsm

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, B5 Envelope, C5 Envelope, DL Envelope, Executive, Folio, JIS-B5, Legal, Letter, Statement, Universal, Oficio, A6

Standard Connectivity
USB Compatible with USB 2.0 Specification (Type B), Gigabit Ethernet (10/100/1000)

Direct USB
No

Ethernet Network
Yes

Wireless
No

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[1]
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 (metric)
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, OCR-A, OCR-B scalable PCL 5e 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 3 average letter/A4-size pages per print job and ~ 5% coverage[4]

Cartridge(s) Shipping with Product
3,000-page Return Programme 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 (mm - H x W x D)
280 x 410 x 420 mm

Packaged Weight, kg
10.52 kg

Size (mm - H x W x D)
222 x 368 x 363 mm

Weight
9.3 kg

Noise level (Idle mode)
14 dBA

Noise Level (Print), Operating
53 dBA

Duplex Print Noise Level, Operating
50 dBA

Quiet Mode
49 dBA

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ENERGY STAR
Yes

Average Power (Hibernate Mode)
0.1 watts

Average Power (Sleep Mode)
0.9 watts

Average Power (Ready Mode)
4.9 watts

Average Power (Printing)
570 watts

Average Power while Printing Duplex
305 watts

ENERGY STAR Typical Electricity Consumption (TEC)
0.47 kilowatt-hours 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[3]

Recommended Monthly Page Volume
800 - 8000 pages[2]

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/printerlicense for details.

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

UNSPSC Code
43212105

[1]This 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.

[4]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.

[5]Average standard page yield value declared in accordance with ISO/IEC 19752.

[6]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.

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Callout	Availability	Description
1	Standard	2-Line LCD
2	Standard	100-Sheet Multipurpose Feeder
3	Standard	250-Sheet Input
4	Optional	550-Sheet Tray

P/N	Toner Cartridges
55B2000	Lexmark MS/MX331, 431 Return Programme 3K Toner Cartridge
55B2H00	Lexmark MS/MX331, 431 Return Programme 15K Toner Cartridge
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
35S8502	Adjustable Stand

P/N	Connectivity
1021294	USB (2 Meter) Cable

P/N	Extended Warranties
2371849	MS431 Upgrade to Onsite Service
2371851	MS431 2-Years Total (1+1) Onsite Service
2371852	MS431 3-Years Total (1+2) Onsite Service
2371853	MS431 4-Years Total (1+3) Onsite Service
2371854	MS431 5-Years Total (1+4) Onsite Service
2371855	MS431 6-Years Total (1+5) Onsite Service
2371856	MS431 7-Years Total (1+6) Onsite Service
2371857	MS431 1-Year Onsite Service Renewal
2371858	MS431 2-Year Onsite Service Renewal
2371859	MS431 3-Year Onsite Service Renewal
2371860	MS431 4-Year Onsite Service Renewal
2371862	MS431 1-Year Post Wty OSR NBD Ext Warranty