



## Lexmark MS321dn

Strike the perfect balance of performance and affordability in small-workgroup mono printing with the up to 36-pages-per-minute\* Lexmark MS321dn, featuring standard two-sided printing, enhanced security and built-in durability.

### Part Number

36S0110

### Print Technology

Black & White Laser Printer

### Workgroup Size

Small Workgroup

### Touch Screen Display

No

### Display

2-line 128 x 32 pixel All Points Addressable (APA) monochrome OLED display

### Print Speed (A4, Black)

Up to 36 ppm<sup>6</sup>

### Print Speed (A4, Black) Duplex

Up to 19 spm<sup>6</sup>

### Time to First Page (Black)

As fast as 6.5 seconds

### Duplex (2-sided) Printing

Integrated Duplex

### Print Resolution, Black

1200 IQ (1200 x 600 dpi), 1200 x 1200 dpi, 2400 IQ (2400 x 600 dpi), 300 x 300 dpi, 600 x 600 dpi

### Processor Speed

1.0 GHz

### Memory, Standard

512 MB

### Memory, Maximum

512 MB

### Hard Disk

Not Available

### Apple Operating Systems Supported

Apple OS X (10.6, 10.7, 10.8, 10.9, 10.10, 10.11, 10.12, 10.13)

### Citrix MetaFrame

Microsoft Windows 2000 Server running Terminal Services with Citrix MetaFrame XP Presentation Server or Citrix MetaFrame Presentation Server 3.0., Microsoft Windows 2000 Server running Terminal Services with Citrix Presentation Server 4.0, Microsoft Windows 2000 Server running Terminal Services with Citrix Presentation Server 3.0, 4.0, Microsoft Windows Server 2012 with Citrix XenApp 6.0, 6.5

### Linux Operating Systems Supported

Debian GNU/Linux 7.0, 8.0, SUSE Linux Enterprise Server 10, 11, 12, openSUSE Linux 13.2, Ubuntu 16.04 LTS, Fedora 23, 24, Red Hat Enterprise Linux WS 6, 7, openSUSE Linux 42.3

### 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 NetWare 5.1(SP 6+), 6.0(SP 3+) with Novell Distributed Print Services (NDPS), Novell Open Enterprise Server on SUSE Linux 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, Novell Open Enterprise Server 2 SP2 on SuSE Linux Enterprise Server 10 SP3 3

### UNIX Operating Systems Supported

Sun Solaris x86 10, 11, Sun Solaris SPARC 10, 11, IBM AIX 6.1, 7.1

### Included Paper Handling

250-Sheet Input, 100-Sheet Multipurpose Feeder, 150-Sheet Output Bin, Integrated Duplex

### Optional Paper Handling

250-Sheet Tray, 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 - 216 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, Transparencies, 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 2.0 Specification Hi-Speed Certified (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

### Network Printing Methods

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

### Network Management Protocols<sup>1</sup>

HTTP, HTTPs (SSL/TLS), SNMPv1, SNMPv2c, SNMPv3, WINS, IGMP, APIPA (AutoIP), DHCP, ICMP, DNS, DDNS, mDNS, ARP, NTP, Telnet, Finger,

### Network Security

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

### Printable Area (metric)

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

### Printer Languages (Standard)

PCL 5e 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, 5 PPDS bitmap fonts, 84 scalable PCL fonts, OCR-A, OCR-B scalable PCL 5e fonts, For more information, refer to the Technical Reference., 91 scalable PostScript fonts

### Laser Cartridge Yields (up to)<sup>5</sup>

6,000-page Cartridge, 15,000-page High Yield Cartridge,

### Imaging Unit Estimated Yield

Up to 60000 pages, based on 3 average letter/A4-size pages per print job and ~ 5% coverage<sup>4</sup>

### Cartridge(s) Shipping with Product

2,000-page Starter Return Program 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 (mm - H x W x D)

376 x 430 x 470 mm

### Packaged Weight, kg

15.69 kg

### Size (mm - H x W x D)

260 x 399 x 374 mm

### Weight

13.9 kg

### Noise level (Idle mode)

14 dBA

### Noise Level (Print), Operating

54 dBA

**Duplex Print Noise Level, Operating**

53 dBA

**Quiet Mode**

51 dBA

**ENERGY STAR**

Yes

**Average Power (Hibernate Mode)**

0.1 watts

**Average Power (Sleep Mode)**

1.19 watts

**Average Power (Ready Mode)**

7 watts

**Average Power (Printing)**

520 watts

**Average Power while Printing Duplex**

315 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, VCCI 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, China Green Product (CGP)

**Maximum Monthly Duty Cycle**

Up to 50000 pages per month<sup>3</sup>

**Recommended Monthly Page Volume**

500 - 6000 pages<sup>2</sup>

**Specified Operating Environment**

Humidity: 8 to 80% Relative Humidity,  
Temperature: 10 to 32°C (50 to 90°F), Altitude:  
0 - 5000 Metres (16,404 Feet)

**License/Agreement Terms**

Printers are sold subject to certain license/ agreement conditions. See [www.lexmark.com/printerlicense](http://www.lexmark.com/printerlicense) for details.

**Country of Origin**

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

**UNSPSC Code**

43212105

<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	2-Line LCD
2	Standard	100-Sheet Multipurpose Feeder
3	Standard	250-Sheet Input
4	Optional	250-Sheet Tray / 550-Sheet Tray

P/N	Toner Cartridges	P/N	Extended Warranties
56F0HA0	Lexmark MS/MX321 15K Toner Cartridge	2364496	MS321 3-Year Onsite Service Renewal
56F2000	Lexmark MS/MX321, 421, 521, 622, MX522, MS621 Return Programme 6K Toner Cartridge	2364497	MS321 4-Year Onsite Service Renewal
56F0ZA0	Lexmark MS/MX321, 421, 521, 622, MX522, MS621, B/MB2338, 2442, 2546, 2650, M/XM1242, 1246, 3250 60K Imaging Unit	2364494	MS321 6-Years Total (1+5) Onsite Service
56F0Z00	MS/MX32x, 42x, 52x, 62x, M/XM12xx, 32xx, B/MB2x Return Programme 60K Imaging Unit	2364490	MS321 6-Years Total (1+5) Return-to-Base, 5-7 Business Days
56F2H00	Lexmark MS/MX321, 421, 521, 622, MS621, MX522 Return Programme 15K Toner Cartridge	<b>P/N</b>	<b>User Replaceable Parts</b>
56F2H0E	Lexmark MS/MX321, 421, 521, 622, MS621, MX522 Corporate 15K Toner Cartridge	41X0918	Pick Tire
56F0Z0E	Lexmark MS/MX321, 421, 521, 622, MX522, MS621, B/MB2338, 2442, 2546, 2650, M/XM1242, 1246, 3250 Corporate 60K Imaging Unit		

P/N	Paper Handling
36S2910	250-Sheet Tray
36S3110	550-Sheet Tray
36S3120	550-Sheet Lockable Tray

P/N	Furniture
3073173	Swivel Cabinet
35S8502	Adjustable Stand

P/N	Memory Options
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	Connectivity
1021294	USB (2 Meter) Cable
SPD0002	Surge Protective Device, 220-240V

P/N	Extended Warranties
2361844	MS321 2-Years Total (1+1) Return-to-Base, 5-7 Business Days
2361845	MS321 3-Years Total (1+2) Return-to-Base, 5-7 Business Days
2361846	MS321 4-Years Total (1+3) Return-to-Base, 5-7 Business Days
2361847	MS321 5-Years Total (1+4) Return-to-Base, 5-7 Business Days
2361848	MS321 1-Year Return-to-Base Renewal, 5-7 Business Days
2361849	MS321 1-Year Post Warranty Return-to-Base, 5-7 Business Days
2361851	MS321 Upgrade to Onsite Service
2361852	MS321 2-Years Total (1+1) Onsite Service
2361853	MS321 3-Years Total (1+2) Onsite Service
2361854	MS321 4-Years Total (1+3) Onsite Service
2361855	MS321 5-Years Total (1+4) Onsite Service
2361856	MS321 1-Year Onsite Service Renewal
2361857	MS321 1-Year Post Wty OSR NBD Ext Warranty
2364491	MS321 2-Year Return-to-Base Renewal, 5-7 Business Days
2364492	MS321 3-Year Return-to-Base Renewal, 5-7 Business Days
2364493	MS321 4-Year Return-to-Base Renewal, 5-7 Business Days
2364495	MS321 2-Year Onsite Service Renewal