

Request for Proposals

Comprehensive Multi-Functional Copier/Printing Cost per Copy / Copy Management Service Leasing Agreement for the City of Hendersonville, North Carolina

ADDENDUM NO. 1

October 5, 2021

III SCOPE OF WORK. This Addendum No. 1 consists of the addition of current machine specifications to Exhibit A, and covers the following additions:

A. Multi-Function Machines (SPECIFICATIONS).

- Specifications for current equipment as outlined in Exhibit A have been provided where available to assist vendors in determining the City's current copier situation.

E. Network Printing. It is the desire of the city to have the fewest amount of desktop printers as possible.

- Printer and MFD (Multifunction Device) Technical Specifications:

The technical specifications for the printer and multifunction device (MFD) items are a combination of the items listed in this section. Vendor shall only propose Printer and MFD equipment that meet the following technical specifications:

1. Has obtained Energy Star certification
2. Supports IP printing and integrate with Microsoft 365 for device and user authentication
4. Provides network connectivity via Integrated Ethernet 100 or higher
5. Provides minimum print quality of 600 DPI
6. Includes drivers available via website
7. Includes drivers that support Internet Printing Protocol (IPP)
8. Supports network printing without use of drivers loaded on the Agencies' PCs
9. Supports Secure Printing
10. Supports following Printer Languages at a minimum: PCL 6 Emulation, PCL 5 Emulation, PostScript 3 Emulation
11. Support the following data streams:
 - a. IPDS
 - b. TIFF
 - c. JPG
 - d. PPML
12. Supports direct PDF printing and PDF conversion of native documents for the purpose of printing
13. Supports current and n-2 versions at a minimum of the following:
 - a. Microsoft Office Applications

- b. Acrobat Professional
 - c. InDesign CS
 - d. Corel Draw
 - e. Adobe Photoshop
 - e. Visio
14. Supports following web browsers:
- a. Internet Explorer 11.0
 - b. Edge current and n-2 versions
 - c. Safari current and n-2 versions
 - d. Mozilla Firefox current and n-2 versions
 - e. Google Chrome current and n-2 versions
15. Is able to read files in following formats:
- a. Xerox Digipath 3.0 or later
 - b. Microsoft Office Applications 2003 or later
 - c. Adobe Acrobat Reader DC (Continuous) version 2015.010.20060 or later
 - d. Adobe Acrobat Reader DC (Classic) version 2015.006.30121 or later
 - e. Adobe Reader version 11.x
 - f. Adobe Reader version 10.x
 - g. InDesign CS3 or later
 - h. Visio 2003 or later
 - i. Elixir 3.0022 or later
16. Maintains integrity of print order
17. Includes surge protection (can be separate device, but shall be included in pricing provided by vendor)
18. Includes a meter, copy control, or copy monitor
19. Sorting features that allow copies to be sorted into their original order
20. Stapling and Hole Punch features
21. Auto-duplexing, two-sided printing feature.
22. Compact Finishers: Some areas have limited space therefore copiers with built in finishers are desired for some locations.
23. Size of Documents: Copiers should have the capacity to enlarge or reduce the size of documents.
24. Copiers should have the ability to accommodate a variety of paper types and sizes and weights including 8.5" x 11" 11" x 17" or 17" x 20". It is desired to have larger capacity paper drawers.
25. Digital copiers are preferred.

26. Copier Apps: copiers apps that allow staff to securely make a print request from any other device with internet connectivity is desired.

27. Security: It is desired to utilize Copier Apps to ensure that users swipe a smartcard or enter a security pin before printing, copying, or accessing documents which is helpful to reduce our security risk.

28. Vendor shall only propose MFDs that meet the following technical specifications:

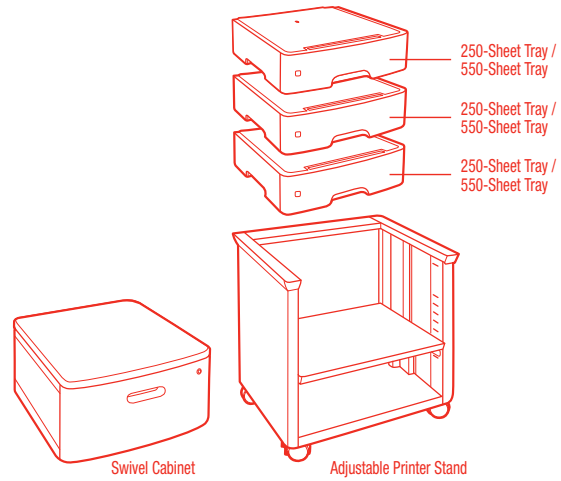
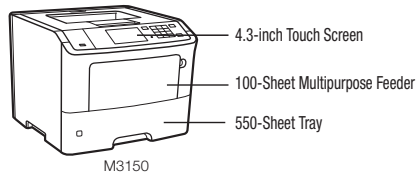
- Provides automatic tray-less duplex printing
- Provides automatic document feeder
- Contains data encryption feature to encode the data stored on the hard drive
- Includes overwriting feature to clean out the MFD memory
- Contains digital scanner to digitize an image in color, store the image in memory in color, and produce copies from the memory
- Provides “scan once, print many” technology
- Provides minimum scan resolution of 600 DPI
- Provides scan to email (standard and searchable PDFs)
- Provides scan to network connected computer
- Provides scan to folders
- Supports printing from mobile (e.g., tablet and smartphone) devices including Android, Apple, and Windows operating systems
- Supports analog and digital fax technology
- Supports E-fax
- Provides Microsoft Certified drivers (current and n – 2 (e.g., Win7 / Win8 / Win10))
- Provide Apple iOS drivers (current and n – 2)
- Provide Android drivers (current and n – 2)
- Supports batch configurations based on custom groups or fleet-wide distributions
- Supports following network server environments: Windows Server 2003, Windows Server 2008, Windows Server 2012 R2

Vendor shall provide, apply, and keep current software security patches and firmware upgrades for all Vendor supported Document Output Devices at no additional cost to the Agency. Installation of security patches and firmware upgrades shall be in accordance with the VC3 network management processes.

EXHIBIT A
CITY OF HENDERSONVILLE DEPARTMENT COPIERS IN USE

Location	Model	Serial #	ID #
Site # 2442093			
Community Development Dept.			
100 N King Street	5055C	SC7DE55068	68066
Hendersonville, NC 28792			Color
Site# 2442451			
City Hall	2802A	SCUGF24060	72753
160 6th Avenue E.	2802A	SCUGF23797	72900
Hendersonville, NC 28792	2802A	SCUEF21715	72901
*Includes Current Police	2802A	SCUAF17330	72434
Department Copiers. ** Police	2802A	SCUAF17346	72451
will be moving in September	LEX M3150	S45146PHH374C6	72452
2021 to their own facility	LEX M3150	S45146PHH374C8	72453
which may impact the total	LEX M3150	S45146PHH374CC	72454
number of copiers requested.	LEX M3150	S45146PHH374C7	72455
	LEX M3150	S45146PHH374C4	P4555
	LEX M3150	S45146PHH3G4C8	P5767
	LEX M3150	S45146PHH3G4CX	P5768
	LEX M3150	S45146PHH3FRVK	P5769
	LEX M3150	45147PHH4G3PY	P6710
	LEX M3150	45147PHH4G3R0	P6711
	LEX M3150	45146PHH3XC5M	P4797
	LEX M3250	4600801000KC1	P6865
	4505C	SCFHF47244	72402
			Color
	4505C	SCFHF50566	72748
			Color
	3005C	SCFGF44878	72432
			Color
	LEX 748DE	7526439442T1G	72458
			Color
	2510C	SCNBJ10985	79944
			Color
	3005C	SCFHF46773	72472
			Color
Site# 2442451			
Water & Sewer Customer Service			
145 5th Avenue East	3508A	SCGIF40112	73936
Hendersonville, NC 28792	3505C	SCFAG40382	74117
			Color
Site# 2442452			
Public Works	3505C	SCFHF51783	72430
305 Williams Street			Color
Hendersonville NC 28792	4140C	75288470F39L0	78909
			Color
Engineering	3505C	SCFGF44193	72427
305 Williams Street			Color
Hendersonville NC 28792	4150C	7528705010Y5G	74929
			Color
Site# 2442453			
Fire Station #2	3005C	SCFHF46721	72445
632 Sugarloaf Road			Color
Hendersonville NC 28792	2555C	SC7CE48593	67727
			Color
Site# 2442450			
Fire Station #1	2802A	SCUGF23372	72435
851 N. Main Street			
Hendersonville, NC 28792			

Lexmark M3150 Monochrome Laser Printer



Product specifications

Lexmark M3150

Printing	
Display	Lexmark e-task 4.3-inch (10.9 cm) color touch screen with audible feedback
Print Speed: Up to	Black: 50 ppm
Time to First Page: As fast as	Black: 6.5 seconds
Print Resolution	1200 Image Quality, 1200 x 1200 dpi, 2400 Image Quality, 600 x 600 dpi
Processor Speed	Dual Core, 800 MHz
Memory	Standard: 512 MB / Maximum: 2560 MB
Hard Disk	Optional
Recommended Monthly Page Volume ²	2000-15000 pages
Maximum Monthly Duty Cycle: Up to ³	150000 pages per month
Supplies	
Laser Cartridge Yield	16,000 ¹ -page Toner Cartridge
Cartridge(s) Shipping with Product	Up to 6000 pages ¹ Starter Toner Cartridge
Imaging Unit	60000 pages
Paper Handling	
Paper Handling Standard	550-Sheet Input, 100-Sheet Multipurpose Feeder, 250-Sheet Output Bin, Integrated Duplex
Paper Handling Optional	250-Sheet Tray, 550-Sheet Tray
Paper Input Capacity: Up to	Standard: 650 pages 20 lb or 75 gsm bond / Maximum: 2300 pages 20 lb or 75 gsm bond
Paper Output Capacity: Up to	Standard: 250 pages 20 lb or 75 gsm bond / Maximum: 250 pages 20 lb or 75 gsm bond
Media Types Supported	Card Stock, Envelopes, Paper Labels, Plain Paper, Transparencies, Refer to the Card Stock & Label Guide
Media Sizes Supported	10 Envelope, 7 3/4 Envelope, 9 Envelope, A4, A5, A6, DL Envelope, Executive, Folio, JIS-B5, Legal, Letter, Oficio, Statement, Universal
General	
Standard Ports	One Internal Card Slot, USB 2.0 Specification Hi-Speed Certified (Type B), Front USB 2.0 Specification Hi-Speed Certified port (Type A), Rear USB 2.0 Specification Hi-Speed Certified port (Type A), Gigabit Ethernet (10/100/1000)
Optional Network Ports	Internal MarkNet™ N8350 802.11b/g/n Wireless
Optional Local Ports	Internal RS-232C serial, Internal 1284-B Bidirectional Parallel
Noise Level, Operating	Print: 55 dBA
ENERGY STAR	Yes
Specified Operating Environment	Temperature: 16 to 32°C (60 to 90°F), Humidity: 8 to 80% Relative Humidity, Altitude: 0 - 3048 Meters (10,000 Feet)
Size (in. - H x W x D) / Weight (lb.)	12.1 x 15.7 x 15.6 in. / 35.7lb.

Visit partnernet.lexmark.com for more information.

¹ Based on approximately 5% print coverage. Actual yields may vary based on factors such as page coverage, image type, job size, print/copy/fax modes, and duplexing.

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.



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Lexmark M3250

The Lexmark M3250 prints up to 50 pages per minute* and offers the versatility of e-Task, enhanced security and built-in durability.

Part Number

36S0520

Print Technology

Monochrome Laser

Workgroup Size

Medium Workgroup

Touch Screen Display

Yes

Display

Lexmark e-Task 4.3-inch (10.9 cm) color touch screen

Print Speed (Letter, Black)

Up to 50 ppm⁶

Print Speed (Letter, Black) Duplex

Up to 24 spm⁶

Time to First Page (Black)

As fast as 6 seconds

Duplex (2-sided) Printing

Integrated Duplex

Print Resolution, Black

1200 Image Quality, 1200 x 1200 dpi, 2400 Image Quality, 600 x 600 dpi

Processor

Dual Core, 1000 MHz

Memory, Standard

1024 MB

Memory, Maximum

1024 MB

Hard Disk

Option available

Apple Operating Systems Supported

Apple OS X (10.5, 10.6, 10.7, 10.8, 10.9, 10.10)

Citrix MetaFrame

Microsoft Windows Server 2003 running Terminal Services with Citrix Presentation Server 3.0, 4.0, 4.5, Microsoft Windows Server 2003 x64 running Terminal Services with Citrix Presentation Server 4.0 x64, 4.5 x64, Microsoft Windows Server 2003 and 2003 X64 Edition with Citrix XenApp 5.0, 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

Linux Operating Systems Supported

SUSE Linux Enterprise Server 10, 11, SUSE Linux Enterprise Desktop 10, 11, Red Hat Linux Desktop 6.0, Linpus Linux Desktop 9.6, Debian GNU/Linux 5.0, 6.0, Red Hat Enterprise Linux WS 4.0, 5.0, 6.0, Ubuntu 11.04, 11.10, 12.04, 12.10, openSUSE 11.3, 11.4, 12.1, 12.2, PCLinuxOS 2011, Mint 9, 10, 11, 12, 13, Fedora 14, 15, 16, 17

Microsoft Windows Operating Systems Supported

Windows XP, Windows Server 2003, Windows XP x64, Windows Server 2003 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 NetWare 5.1(SP 6+), 6.0(SP 3+) with Novell Distributed Print Services (NDPS), Novell Open Enterprise Server on SUSE Linux Enterprise Server

UNIX Operating Systems Supported

HP-UX 11.11, 11.23, 11.31, Sun Solaris SPARC 9, 10, 11, Sun Solaris x86 10, 11, IBM AIX 5.3, 6.1, 7.1

Included Paper Handling

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

Optional Paper Handling

250-Sheet Tray, 550-Sheet Tray, 550-Sheet Lockable Tray

Paper Input Capacity, Standard

Up to 650 pages 20 lb or 75 gsm bond

Paper Input Capacity, Maximum

Up to 2300 pages 20 lb or 75 gsm bond

Paper Output Capacity, Standard

Up to 250 pages 20 lb or 75 gsm bond

Paper Output Capacity, Maximum

Up to 250 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 - 43 lb.

Finishing Option

No

Number of Paper Inputs, Standard

2

Number of Paper Inputs, Maximum

5

Media Types Supported

Card Stock, Envelopes, Paper Labels, Plain Paper, Transparencies, Refer to the Card Stock & Label 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

One Internal Card Slot, USB 2.0 Specification Hi-Speed Certified (Type B), Gigabit Ethernet (10/100/1000), Front USB 2.0 Specification Hi-Speed Certified port (Type A), Rear USB 2.0 Specification Hi-Speed Certified Port (Type A)

Optional Local Ports

Internal RS-232C serial, Internal 1284-B Bidirectional Parallel

Optional Network Ports

MarkNet N8352 802.11b/g/n Wireless

Direct USB

Yes

Ethernet Network

Yes

Wireless

Wireless Option

Network Protocol Support

TCP/IP IPv4, AppleTalk™, 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, 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, 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

Printable Area

0.16 inches 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, Microsoft XPS (XML Paper Specification), 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)⁵

, 21,000-page Cartridge

Imaging Unit Estimated Yield

Up to 60000 pages, based on 3 average letter/A4-size pages per print job and ~ 5% coverage⁴

Cartridge(s) Shipping with Product

6,000-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/ regions for more details.

Packaged Size (in. - H x W x D)

16.61 x 16.93 x 18.50 in.

Packaged Weight (lb.)

39.90 lb.

Size (in. - H x W x D)

11.9 x 15.7 x 14.7 in.

Weight (lb.)

35.5 lb.

Noise Level, Idle

15 dBA

Noise Level (Print), Operating

55 dBA

Duplex Print Noise Level, Operating

54 dBA

ENERGY STAR

Yes

Average Power (Hibernate Mode)

0.1 watts

Average Power (Sleep Mode)

2.2 watts

Average Power (Ready Mode)

9.5 watts

Average Power (Printing)

670 watts

ENERGY STAR Typical Electricity Consumption (TEC)

2.1 kilowatt-hours per week

Limited Warranty - See Statement of Limited Warranty

1-Year Exchange, 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, CECF, CEL, C-tick DoC, UL-AR, KC mark, UL GS mark, EC 1275, MET-I, ISO 532B, ECMA-370, TED, GOST-R, SII, TER

Maximum Monthly Duty Cycle

Up to 175000 pages per month³

Recommended Monthly Page Volume

2000 - 20000 pages²

Specified Operating Environment

Temperature: 16 to 32°C (60 to 90°F), Humidity: 8 to 80% Relative Humidity, 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

China (PRC)

UNSPSC Code

43212105

Harmonized Tariff Code

8443.32.1010

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 yield based on approximately 5% print coverage.

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	4.3-inch (10.9-cm) Touch Screen
2	Standard	100-Sheet Multipurpose Feeder
3	Standard	550-Sheet Input
4	Optional	250-Sheet Tray / 550-Sheet Tray

P/N	Toner Cartridges
56F0ZA0	Lexmark 56F0ZA0 Black Imaging Unit
56F0Z00	Lexmark 56F0Z00 Black Return Program Imaging Unit
24B6885	Lexmark 24B6885 Black Toner Cartridge
24B6886	Lexmark 24B6886 Black Toner Cartridge
24B6887	Lexmark 24B6887 Black Toner Cartridge

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 Printer 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
27X0500	500+ GB Hard Disk

P/N	Application Solutions
40C9201	Card for IPDS
40C9200	Forms and Bar Code Card
40C9202	Card for PRESCRIBE Emulation

P/N	Connectivity
27X0812	CS72X, CX72x Lexmark MarkNet™ N8230 Fiber Ethernet Print Server
27X6410	Lexmark MarkNet N8372 802.11 a/b/g/n/ac Wireless Print Server
27X2000	Lexmark Parallel 1284-B Interface Card
1021231	Parallel Cable (10-foot)
1021294	USB Cable (2-meter)
27X0901	Parallel 1284-B Interface Card
27X0900	RS-232C Serial Interface Card
SPD0001	Surge Protective Device, 110-120V



- > Color MFP
- > Up to 35 PPM
- > Medium/Large Workgroup
- > Copy, Print, Scan, Fax
- > Secure MFP

Specifications

Copying Process	Indirect Electrostatic Photographic Transfer System with Internal Transfer Belt
Copying Type	LED Head Printing
Copy/Print Resolution	600 x 1200 dpi (PS Driver)
Copy/Print Speed	25/25, 30/30, 35/35 PPM Color/B&W
Warm-Up Time	Approx. 27 Seconds
First Copy Out Time	8.1/6.4 Seconds Color/B&W
Max Duty Cycle	100K/150K/175K Copies
Multiple Copying	Up to 999 Copies
Acceptable Paper Size and Weight	Cassette: ST-R to LD (16 lb Bond - 140 lb Index) Bypass: 3.9" x 5.8" to LD (14 lb Bond - 100 lb Cover) ST-R to 12" x 47" Banner (17 lb-100 lb) PFP: ST-R to LD (16 lb Bond - 140 lb Index) LCF: LT (17 lb - 28 lb Bond)
Memory (Max)	Main Memory: 2 GB HD: 160 GB (Security SED Drive)
Reduction/Enlargement	25% to 400%
Bypass	100-Sheet "Smart" Bypass (14 lb Bond - 100 lb Cover)
Control Panel	Color 9" LCD Touch Panel
Paper Supply	Up to 3,200-Sheet Input Capacity Standard 2 x 550-Sheet Cassettes 100-Sheet Bypass 1 x 550-Sheet PFP (3rd Cassette), 1 x 550-Sheet Cassette (4th Cassette) for PFP Optional 1 x 2,000-Sheet LCF
Duplex	Standard Automatic Duplex Unit (16 lb Bond - 140 lb Index)
Dimensions	Approx. 23" x 25.3" x 31" (W x D x H)
Weight	Approx. 166.4 lbs.
CMYK Toner Yield	CMY: 28K, BK: 32K
Power Supply	120 V, 15 Amps
Power Consumption	Maximum 1.5 kW

Print Specifications

PDL Support	PCL6 and PostScript 3, XPS
Operating Systems	Netware 6.5, Windows XP, Vista, 7, Windows Server 2003, 2008, 2008R2, Citrix MetaFrame, Macintosh, Linux, UNIX, AS400, SAP
Protocol Support	IPX/SPX, TCP/IP, AppleTalk, NetBIOS Over TCP/IP, LPR/LPD, IPP, SMB, SNMP, Netware, Port 9100
Drivers	Server 2003/2008/2008R2/2012, Windows XP, Vista, 7/8, Macintosh 10.2/10.3, 10.4, 10.5, 10.6, 10.7, AS400 LPR & Port 9100, SAP R/3, Unix Filter
Connectivity	10/100/1000BaseTX Ethernet, 802.11b/g/n
Device Management	TopAccess
Certification	Windows (Vista, 7, 2008, 2008R2, 2012) (WHQL) Novell, HPOS (Dazel), Citrix

Scan Specifications

Scan Resolution	100 dpi, 150 dpi, 200 dpi, 300 dpi, 400 dpi, 600 dpi
Scan Speed	73 SPM Color/73 SPM B&W (@ 300 dpi)
File Format	TIFF, PDF, Secure PDF, JPEG, XPS (with HDD)

Facsimile Specifications

Compatibility	Super G3
Data Compression	MH / MR / MMR / JBIG
Transmission Speed	Approx. 3 Seconds Per Page
Fax Modem Speed	33.6 Kbps
Memory Transmission	100 Jobs (with HDD), 2,000 Destinations Max. 400 Destinations /Job
Scan Speed	.7 Seconds Per Page, Maximum 73 SPM

E-Filing Specifications

Operation Method	Color Touch Screen Control Panel or Client PC
Number of Boxes	1 Public Box, 200 Private User Boxes
Capacity of Boxes	100 Folders Per Box, 400 Documents Per Folder 200 Pages Per Document

Security (Standard)

Data Encryption	256 Bit AES (SED Hard Drive)
Authentication	LDAP, SMTP, Windows Server Domain, Local

Accessories (Options)

Additional Paper Options

Platen	KA1640PC
RADF: 100 Sheets	MR3025
Paper Feed Pedestal: 550-Sheet Pedestal, Statement-R to Ledger	KD1032N
Cassette Module :550-Sheet Pedestal, Statement-R to Ledger	MY1039
Large Capacity Feeder (LCF): 2,000-Sheet Drawer, Letter	KD1031

Finishing Options

Saddle-Stitch Finisher:	MJ1108
Tray 1 Stack Capacity: 3,000 Sheets + 250 Sheet Stationary Tray (Lt)	
Staple Capacity: 50 Sheets	
60 Pages (15 Sheets) SS Booklets	
Multi-Position Hole Punch Unit for Saddle-Stitch Finisher	MJ6104
Multi-Position Console Finisher:	MJ1107
Tray 1 Stack Capacity: 2,000 Sheets (Lt)	
Staple Capacity: 50 Sheets	
Multi-Position Hole Punch Unit for Console Finisher	MJ6104
Inner Finisher	MJ1036N
2 Tray: 500 Sheets (Lt)	
Staple Capacity: 50 Sheets	
Multi-Position Hole Punch Unit for Inner Finisher	MJ6007

Connectivity/Security Options

Bridge Kit Required with MJ1108 and MJ1107	KN2550
Fax Board	GD1320NX
2nd Line Fax	GD1260F
Wireless LAN Adapter	GN1060
Wireless Antenna	GN3010
Meta Scan Enabler for e-CONNECT	GS1010
IP Sec Enabler	GP1080
Advanced Scanning (ReRite)	GB1280V8
SharePoint Connector	GB1440
Exchange Connector	GB1450
Google Docs Connector	GB1540

Miscellaneous Options

Accessible Arm Handle	KK2550
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Corporate Office

9740 Irvine Blvd., Irvine, CA 92618-1631

Tel: 949-462-6000

East Coast

959 Route 46 East, 5th Floor, Parsippany, NJ 07054

Tel: 973-316-2700

Midwest

8770 W. Bryn Mawr Ave., Suite 700, Chicago, IL 60631

Tel: 773-380-6000

South

2037 Bakers Mill Rd., Dacula, GA 30019

Tel: 678-546-9385

West Coast

9740 Irvine Blvd., Irvine, CA 92618

Tel: 949-462-6000

Web Site

www.business.toshiba.com

Designs and Specifications subject to change without notice. For best results and reliable performance, always use supplies manufacturer or designated by Toshiba. Not all options and accessories may be available at the time of product launch. Please contact a local Authorized Toshiba Dealership for availability. Toner yields are estimates based on 6% coverage, letter-size page. Driver and connectivity feature support varies by client/network operating system.

e-STUDIO2802AF SPECIFICATIONS

COPY SPECIFICATIONS

Copy Process	Indirect Electrostatic Photographic Method
Type	Desktop
Copy Speed	28 CPM
Copier Memory (Std./Max)	512 MB / 512 MB
Print Resolution	600 x 2,400 dpi (with smoothing)/256 Gradations
Scan Resolution	600 dpi
Available Original/Copy Paper Size	Cassette: ST-R to LD (17-20 lb Bond), Bypass Tray: ST-R to LD (14-120 lb Index)
Paper Supply	Standard: Drawer (250 Sheets x 1) Stack Feed Bypass (100 Sheets) Max.: 1,700 (Optional 250 Sheets x 1, 550 Sheets x 2)
Available Copy Paper Weight	17-20 lb Index
Multiple Copying	Up to 999
Reproduction Ratio	25% - 400%
Warm-up Time	20 Sec.
First Copy Time	7.1 Sec.
Copy Density Control	Text/Text-Photo/Photo
Power Supply Consumption	115 Volts/12 Amps
Dimensions (W x D x H)	15.3" x 21.25" x 20"
Weight	62.7 lbs
ADU	Optional

PRINT SPECIFICATIONS

Print Speed	28 PPM
Print Resolution	600 x 2,400 dpi (with smoothing)
Interface	10/100 Base-T Network or USB 2.0, Optional 802.11 b/g/n Wireless
Operating System	Windows 7, 8, 8.1, 10, 2008R2, 2012, 2012 R2, (WHQL), CUPS PCL Unix, Linux 5.10.x, 6.5.x
Duplex Printing	Yes (Optional)
Memory	512 MB
PDL	PCL 6 Emulation Optional: PostScript 3 (Includes 512 MB Additional RAM)

SCAN SPECIFICATIONS

Scan Speed	25 SPM (BW) at 600 dpi, 22 SPM (Color) @ 200 dpi, 13 SPM @ 300 dpi
Scan Resolution	Up to 600 dpi
Interface	10/100 Base-T Network I/F, USB 2.0
Scan Mode	Color & B&W
Memory	128 MB
Scan Type	Scan-to-Email, Scan-to-File (SMB or FTP), Scan-to-FTP, Scan-to-TWAIN
Format	JPEG, TIFF-Multi/Single page, PDF-Multi/Single Page

FAX SPECIFICATIONS

Fax	Optional
Modem Speed	Super G3, G3
Compression Type	MH / MR / MMR / JBIG

One Touch Keys	5
Duplex Transmission	Yes (w/RADF)
Memory	6.0 MB (Approx. 500 Pages)
Memory Transmission	Max. 256 Jobs, 220 destinations/job, 384 pages/file
Phone Book	200 Stations

PAPER HANDLING

Standard 350 Sheets (1 x 250-Sheet Cassette and 100-Sheet Bypass Tray)

Maximum 1,700 Sheets

Optional 250-Sheet Cassette

Optional 550-Sheet Paper Feed Pedestal

Optional 550-Sheet Cassette

DIMENSIONS

Base: 15.3" x 21.25" x 20"(W x D x H)

OPTIONS

Platen Cover

RADF

Paper Feed Unit

Paper Feed Pedestal

Drawer Module

Auto Duplex Unit

MFP Stand

FAX Kit

Wireless LAN module

Damp Heater (for Drum)

e-STUDIO™ 4505Ac/5005Ac

Main Specifications

Copy System	Indirect Electrostatic Photographic Method/OPC/Laser Printing/ Heat Roller Fusing
Display	9" Color WVGA Touch Screen Tilting Display
Copy Speed	45/50 PPM (LT)
First Copy Out	Color: 5.7/5.7 Monochrome: 4.4/4.4
Warm-Up Time	Approx. 20 Seconds
Copy Resolution	600 x 600 dpi
Stack Feed Bypass	3.9" x 5.8" to 12" x 18", 12" x 47" Banner, Envelope
Multiple Copying	Up to 999 Copies
Paper Capacity	Standard 1,200 Sheets/Max. 3,200 Sheets
Original Feed	Optional 300-Sheet DSDf or 100-Sheet RADf
Scan Speed & Weights	DSDf Scan: Up to 240 IPM Duplex, 120 IPM Simplex (Monochrome or Color), Simplex: 9.3-110 lb Bond, Duplex: 9.3-110 lb Bond RADf Scan: Up to 73 IPM (Monochrome or Color), Simplex: 9.3-41.8 lb Bond, Duplex: 13.3-41.8 lb Bond
Max. Original Size	LD
Paper Feed Sizes	Drawer 1: 550 Sheets-ST-R to LD Drawer 2: 550 Sheets-ST-R to 12" x 18" Stack Feed Bypass: 100 Sheets-3.9" x 5.8" to 12" x 18", 12" x 47" Banner Opt. 550-Sheet Paper Feed Pedestal-ST-R to 12" x 18" Opt. 550-Sheet Drawer for PFP-ST-R to 12" x 18" Opt. Envelope Cassette for PFP-Approx. 60 Envelopes/550 Sheets-ST-R to LG Opt. 2,000-Sheet Tandem LCF (Pedestal Type)-LT Only Standard: 550 Sheets x 2-16 lb Bond-140 lb Index Stack Feed Bypass: 100 Sheets-14 lb Bond-100 lb Cover Opt. 550-Sheet Paper Feed Pedestal-16 lb Bond-140 lb Index Opt. 550 Sheets Drawer for PFP-16 lb Bond-140 lb Index Opt. Envelope Cassette for PFP-16 lb Bond-140 lb Index Opt. 2,000-Sheet Tandem LCF (Pedestal Type)-17 lb-28 lb Bond Standard Automatic Duplex Unit (16 lb Bond-140 lb Index)
Duplex	25% to 400%
Reproduction Ratio	Max. 105K/105K Month (Color: 100%)
Max Duty Cycle	Max. 210K/210K Month (Monochrome: 100%) Approx. 166 lb
Weight	23" (W) x 25.2" (D) x 31" (H)
Approx. Dimensions	CMY: 33.6K, K: 38.4K @ 5%
CMYK Toner Yield	120 Volts, 50/60 Hz, 12 Amps
Power Source	Maximum 1.5kW (120V)
Power Consumption	Intel Atom™ 1.33 GHz (Dual-Core)
CPU	4GB
Memory	320GB Self-Encrypting Drive FIPS 140-2 Validated
Hard Disk Drive	

e-BRIDGE Next Print Specifications

PDL	PCL5e, PCL5c, PCL6 (PCL XL), PS3, PDF, XPS, JPEG
Print Speed	45/50 Pages Per Minute (LT)
Print Resolution	600 x 600 dpi (5 bit), 1,200 x 1,200 dpi (Color/2 bit) or 3,600 x 1,200 dpi (BW/with Smoothing) PS3 Only
Operating Systems	Windows® Vista, Windows Server® 2008/R2, Windows® 7, 8, 8.1, 10, Windows Server® 2012/R2, Macintosh® (Mac OS X 10.6, 10.7, 10.8, 10.9, 10.10, 10.11), Unix®, Linux®
Network Protocols	TCP/IP (IPv4, IPv6), NetBIOS over TCP/IP, IPX/SPX® for Novell® Environments, EtherTalk® for Macintosh Environments
Printing Protocols	SMB, LPR/LPD, IPP (Ver.1.1) w/Authentication, AppleTalk PAP or EtherTalkTM, Port 9100 (bi-directional), NetWare P-SERVER LPD w/ iPrint, WS Print, FTP Windows® Vista SP2 (32-bit, 64-bit), Windows Server® 2008 SP2 (32-bit, 64-bit), Windows Server® 2008 R2 SP1 (64-bit), Windows® 7 SP1 (32-bit, 64-bit), Windows® 8/8.1 (32-bit, 64-bit), Windows Server® 2012/R2 (64-bit), Windows® 10 (32-bit, 64-bit), Mac OS® X 10.6.8, 10.7.4, 10.8, 10.9, 10.10 RJ-45 Ethernet (10/100/1000 Base-T), USB 2.0 (High-speed) Optional 802.11b/g/n, Wireless LAN, Optional Bluetooth
Interface	AirPrint®, Mopria®, e-BRIDGE Print & Capture Application on iOS and Android (Available via Apple App Store or Google Play)
Wireless Device	TopAccess, EFMS 6.2 (e-BRIDGE Fleet Management Software)
Device Management	Up to 10,000 users or 1,000 Departments Supports User Authentication (on Device), Login Name/Password (via Windows domain) or Login Name/ Password (via LDAP Server) for Copy, Print, Scan, Fax, List, and User Function
Account Control	Tilt Front Panel, Job Programs, Universal Grip for Paper Trays, Disable Screen Timeout and Audible Beep Message Alerts
Accessibility Features	



Security Features

User Authentication, On-Board Data Scramble Function, SCEP, Disable e-Filing, Disable Copy, Disk Overwrite, IP Address Filtering (10 Sets), MAC Address Filtering (10 Sets), Network Service Control, Network Port Control, SMB Packet Signing, SSL (HTTP, IPP, LDAP, SMTP, POP, FTP, DPWS), IPsec (IKEv1, IKEv2), Security Mode Change, CC Certified (ISO/IEC15408 EAL3+), IEEE2600.1, IEEE802.1X, Digital Signature for Client Utilities, Password Policy, Password Lock, Password Expiration, Self Testing, Job Access Control, Log Access Control for Job Log, Security Stamp
*Compliant with IEEE2600.1 in High Security Mode.

Environmental Stds.

Energy Star (V2.0), EPEAT Gold, Blue Angel Mark (RAL UZ-171, MFD), Canadian ECP, Californian Proposition 65, Nordic Swan, RoHS

Certification

WHQL (Windows 7, 8, 8.1, 10, 2008 R2, 2012, 2012 R2), Novell, Citrix, SAP

Scan Specifications

Scan Speed	DSDf Scan: Up to 240 IPM Duplex, 120 IPM Simplex (Monochrome or Color) RADf Scan: Up to 73 IPM (Monochrome or Color)
Scan Modes	Standard: Full Color, Auto Color, Monochrome, Grayscale
Scan Resolution	600 dpi, 400 dpi, 300 dpi, 200 dpi, 150 dpi, 100 dpi
File Formats	Monochrome: TIFF-Multi/Single Page, PDF-Multi/Single Page, Searchable PDF (Opt.), XPS-Multi/Single Page, DOCX (Opt.), XLSX (Opt.), PPTX (Opt.) Color/Grayscale: JPEG, TIFF-Multi/Single Page, PDF-Multi/Single Page, Slim PDF, Searchable PDF (Opt.), XPS-Multi/Single Page, DOCX (Opt.), XLSX (Opt.), PPTX (Opt.)
Image Compression	Color/Grayscale: JPEG (High, Middle, Low)

Facsimile Specifications

Compatibility	Super G3
Data Compression	MH/MR/MMR/JBIG
Transmission Speed	Approx. 3 Seconds Per Page
Fax Modem Speed	Up to 33.6 Kbps
Memory Transmission	100 Jobs (with HDD), 2,000 Destinations Max. 400 Destinations/Job
Scan Speed	0.7 Seconds Per Page, Maximum 73 IPM

e-Filing Specifications

Operation Method	Color Touch Screen Control Panel or Client PC
Number of Boxes	1 Public Box, 200 Private User Boxes
Capacity of Boxes	100 Folders Per Box, 400 Documents Per Folder/Box, 200 Pages Per Document

Accessories (Options)

Platen & Document Feeder Options			
DSDf	MR4000	Meta Scan Enabler	GS1010
RADf	MR3031	IPsec Enabler	GP1080
Platen Cover	KA5005PC	Unicode Font Enabler	GS1007
		Embedded OCR Enabler	
Additional Paper Options		Single License	GS1080
Paper Feed Pedestal	KD1058	Five Licenses	GS1085
Drawer Module	MY1048	Multi-Station Print Enabler	
Envelope Cassette Option	MY1049	Single License	GS1090
Large Capacity Feeder	KD1059LT	Five Licenses	GS1095
Finishing Options		Advanced Scanning (ReRite)	GB1280V8
Inner Finisher	MJ1042	SharePoint Connector	GB1440
50-Sheet Staple Finisher	MJ1109	Exchange Connector	GB1450
Saddle-Stitch Finisher	MJ1110	Google Docs Connector	GB1540
Hole Punch Unit for MJ1042	MJ6011		
Hole Punch Unit for MJ1109/MJ1110	MJ6105	Miscellaneous Options	
Bridge Kit	KN5005	Stand	STAND5005
Job Separator	MJ5015	Accessible Arm	KK2550
		Work Tray	KK5005
		Harness Kit for Coin Controller	GQ1280
Connectivity/Security Options			
FAX Unit/2nd Line for FAX Unit	GD1370		
Wireless LAN/Bluetooth	GN4020		
Hardcopy Security Printing	GP1190A		
Bluetooth Keyboard	GR9000		
Accessory Tray	GR1250		
Panel 10-Key Option	GR1260		
Card Reader Holder	GR1290		

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Web Site

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- > Colour MFP
- > Up to 50 PPM
- > Medium/Large Workgroup
- > Copy, Print, Scan, Fax
- > Secure MFP

Specifications

Copying Process	Indirect Electrostatic Photographic Transfer System with Internal Transfer Belt
Copying Type	LED Head Printing
Copy/Print Resolution	600 x 1200 dpi (PS Driver)
Copy/Print Speed	25/25, 30/30, 35/35, 45/45, 50/50 PPM Colour/B&W
Warm-Up Time	Approx. 27 Seconds
First Copy Out Time	e-STUDIO2555c/3055c/3555c - 6.4/8.1 Seconds B&W/Colour e-STUDIO4555c/5055c - 4.7/6.1 Seconds B&W/Colour
Max Duty Cycle	100K/150K/175K/200K/225K Copies
Multiple Copying	Up to 999 Copies
Acceptable Paper Size and Weight	Cassette: ST-R to LD (16 lb Bond - 140 lb Index) Bypass: 3.9" x 5.8" to LD (14 lb Bond - 100 lb Cover) ST-R to 12" x 47" Banner (17 lb-100 lb) PFP: ST-R to LD (16 lb Bond - 140 lb Index) LCF: LT (17 lb - 28 lb Bond)
Memory (Max)	Main Memory: 2 GB HDD: 160GB (Security SED Drive)
Reduction/Enlargement	25% to 400%
Bypass	100-Sheet "Smart" Bypass (14 lb Bond - 100 lb Cover)
Control Panel	Colour 9" LCD Touch Panel
Paper Supply	Up to 3,200-Sheet Input Capacity Standard 2 x 550-Sheet Cassettes Standard 100-Sheet Bypass Optional 1 x 550-Sheet PFP (3rd Cassette), Optional 1 x 550-Sheet Cassette (4th Cassette) for PFP Optional 1 x 2,000-Sheet LCF
Duplex	Standard Automatic Duplex Unit (16 lb Bond - 140 lb Index)
Dimensions	Approx. 23" x 25.3" x 31" (W x D x H)
Weight	Approx. 166.4 lbs.
CMYK Toner Yield	CMY: 28K, BK: 32K
Power Supply	120 V, 15 Amps
Power Consumption	Maximum 1.5 kW

Print Specifications

PDL Support	PCL6 and PostScript 3, XPS
Operating Systems	Netware 6.5, Windows XP, Vista, 7/8, Windows Server 2003, 2008, 2008R2, Citrix MetaFrame, Macintosh, Linux, UNIX, AS400, SAP
Protocol Support	IPX/SPX, TCP/IP, AppleTalk, NetBIOS Over TCP/IP, LPR/LPD, IPP, SMB, SNMP, Netware, Port 9100
Drivers	Server 2003/2008/2008R2/2012, Windows XP, Vista, 7/8, Macintosh 10.2/10.3, 10.4, 10.5, 10.6, 10.7, AS400 LPR & Port 9100, SAP R/3, Unix Filter
Connectivity	10/100/1000BaseTX Ethernet, 802.11b/g/n
Device Management	TopAccess
Certification	Windows (Vista, 7/8, 2008, 2008R2, 2012) (WHQL) Novell, HPOS (Dazell), Citrix

Scan Specifications

Scan Resolution	100 dpi, 150 dpi, 200 dpi, 300 dpi, 400 dpi, 600 dpi
Scan Speed	73 SPM Colour/73 SPM B&W (@ 300 dpi)
File Format	TIFF, PDF, Slim PDF, Secure PDF, JPEG, XPS

Facsimile Specifications

Compatibility	Super G3
Data Compression	MH / MR / MMR /JBIG
Transmission Speed	Approx. 3 Seconds Per Page
Fax Modem Speed	33.6 Kbps
Memory Transmission	100 Jobs, 2,000 Destinations Max. 400 Destinations /Job
Scan Speed	.7 Seconds Per Page, Maximum 73 SPM

E-Filing Specifications

Operation Method	Colour Touch Screen Control Panel or Client PC
Number of Boxes	1 Public Box, 200 Private User Boxes
Capacity of Boxes	100 Folders Per Box, 400 Documents Per Folder 200 Pages Per Document

Security (Standard)

Data Encryption	256 Bit AES (SED Hard Drive)
Authentication	LDAP, SMTP, Windows Server Domain, Local

Accessories (Options)

Additional Paper Options

Platen:	KA-1640PC
RADF: 100 Sheets	MR-3025
Paper Feed Pedestal (PFP): 550-Sheet Pedestal, Statement-R to Ledger	KD-1032-N
Cassette Module :550-Sheet Pedestal, Statement-R to Ledger	MY-1039
Large Capacity Feeder (LCF): 2,000-Sheet Drawer, Letter	KD-1031LT

Finishing Options

Job Separator	MJ-5006
Saddle-Stitch Finisher:	MJ-1108
Tray 1 Stack Capacity: 3,000 Sheets + 250 Sheet Stationary Tray (LT)	
Staple Capacity: 50 Sheets	
60 Pages (15 Sheets) SS Booklets	
Multi-Position Hole Punch Unit for Saddle-Stitch Finisher	MJ-6104N
Multi-Position Console Finisher:	MJ-1107
Tray 1 Stack Capacity: 2,000 Sheets (LT) + 250 Sheet Stationary Tray (LT)	
Staple Capacity: 50 Sheets	
Multi-Position Hole Punch Unit for Console Finisher	MJ-6104N
Bridge Kit Required with MJ-1108 and MJ-1107	KN-2550
Inner Finisher (e-STUDIO2555c/3055c/3555c only)	MJ-1036-N
2 Tray: 500 sheets (LT)	
Staple Capacity: 50 sheets	
Multi-Position Hole Punch Unit for Inner Finisher	MJ-6007N

Connectivity/Security Options

Fax Board	GD-1320NX
2nd Line Fax	GD-1260NA-F
Wireless LAN Adapter	GN-1060
Wireless Antenna	GN-3010
Meta Scan Enabler for e-CONNECT	GS-1010
IP Sec Enabler	GP-1080
Advanced Scanning (ReRite)	GB-1280
SharePoint Connector	GB-1440
Exchange Connector	GB-1450
Google Docs Connector	GB-1540

Miscellaneous Options

Accessible Arm Handle	KK-2550
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