

ISO/IEC 24734 Printing Productivity Report: Office Category

Full Detailed Test Report - LETTER

HP LaserJet Managed MFP E82560DN

Printing device and settings		
Test Start Date and Time	3/29/2017 10:18	
Tester	TQW	
Machine name/model	HP LaserJet Managed MFP E82560DN	
Colour or B&W	B&W	
FW Version	2403293_005975	
Temperature and Humidity	75 degF / 24 degC 24.2 %RH	
Voltage	110V	
Test End Date and Time	2/23/2018 10:27	

Item	Value
Driver Version	6.4.0
Media/Quality Setting	Default / Default
Simplex B&W Settings	Print in Grayscale
Duplex B&W Settings	Print in Grayscale
Setting N set count	Application
Collating function	Activated (application)
Paper Sending Direction	Default
Paper Size Setting	Default
Paper Feeding	Tray 2
Paper Exit	Standard Exit Tray
Output Orientation	Default (face down)
Duplexing Unit (Yes/No)	Yes
Paper Manufacturer	HP / Xerox
Paper Weight	20lb / 75 g/m2
Paper Size	Letter / A4
Paper type/name	HP Multipurpose Ultra White / HP Office

Summary Report: Letter			
Office Category Test for B&W Device		FSOT (seconds)	ESAT (ipm)
B&W	Simplex	10.4	60.6
	Duplex	13.9	60.6

Notes

- 1) All printing device and driver settings were default mode.
- 2) For the B/W results, the print driver was set to "print in B/W".
- 3) For more information see <http://www.hp.com/go/printerclaims>.
- 4) Port monitor not configured to follow device if the IP address changes.

Detailed Report: LETTER						
Office Category Test	FSOT (secs)	EFTP (ipm)			ESAT (ipm)	
		1 set only (1 set)	1 set + 30sec (9 sets)	1 set + 4min (62 sets)		
Color Mode	Simplex - Adobe Reader		( 1 set )			
	Simplex - Word		( 1 set )			
	Simplex - Excel		( 1 set )			
	Simplex - Average					
	Duplex - Adobe Reader	N/A	N/A	N/A	N/A	
	Duplex - Word	N/A	N/A	N/A	N/A	
	Duplex - Excel	N/A	N/A	N/A	N/A	
	Duplex - Average	N/A	N/A	N/A	N/A	
B&W mode (optional for color device)	Simplex - Adobe Reader	11.64	20.61 ( 1 set )	48.94 ( 9 sets )	57.44 ( 62 sets )	60.59
	Simplex - Word	9.64	24.90 ( 1 set )	50.39 ( 9 sets )		60.62
	Simplex - Excel	9.70	24.76 ( 1 set )	51.58 ( 9 sets )		60.61
	Simplex - Average	10.4	23.4	50.3	57.4	60.6
	Duplex - Adobe Reader	14.26	16.82 ( 1 set )	44.14 ( 9 sets )		60.70
	Duplex - Word	13.57	17.68 ( 1 set )	47.44 ( 9 sets )		60.68
	Duplex - Excel	13.75	17.44 ( 1 set )	45.28 ( 9 sets )		60.70
	Duplex - Average	13.9	17.3	45.6		60.6

Notes

- 1) All printing device and driver settings were default mode.
- 2) For the B/W results, the print driver was set to "print in B/W".
- 3) For more information see <http://www.hp.com/go/printerclaims>.
- 4) Port monitor not configured to follow device if the IP address changes.

Test System Parameters	
Item	Value
Computer	HP Compaq Elite 8300 Small Form Factor
Processor	Intel Core i7 -3770, 3.4 Ghz
System Chip Set	Intel C216 Chipset Family SMBus Host Controller
System Board	system devices, default system BIOS
System Memory	4 GB
Hard Drive Subsystem	Standard disk drive (Seagate)
Video Subsystem	AMD Radeon HD 6350
Optical Drive	HP DVD A DH16aCSHR ATA
I/O Subsystem	Built-in
USB Subsystem	USB 2.0/3.0
TCP/IP	TCP/IP 10/1000
Operating System	Windows 7 64 Bit
Printing Applications	Microsoft Office 2010
Microsoft Office	Office 2010
Adobe Reader	10
Test files and location	Office category files, hard drive

**ISO/IEC 24734 Printing Productivity Report: Office Category**  
**Full Detailed Test Report - A4**

HP LaserJet Managed MFP E82560DN

Printing device and settings		
Test Start Date and Time	3/29/2017 10:18	
Tester	TQW	
Machine name/model	HP LaserJet Managed MFP E82560DN	
Colour or B&W	B&W	
FW Version	2403293_005975	
Temperature and Humidity	75 degF / 24 degC 24.2 %RH	
Voltage	110V	
Test End Date and Time	2/23/2018 10:27	
Item	Value	
Mode and Setting	Driver Version	6.4.0
	Media/Quality Setting	Default / Default
	Simplex B&W Settings	Print in Grayscale
	Duplex B&W Settings	Print in Grayscale
	Setting N set count	Application
	Collating function	Activated (application)
Paper Path	Paper Sending Direction	Default
	Paper Size Setting	Default
	Paper Feeding	Tray 2
	Paper Exit	Standard Exit Tray
	Output Orientation	Default (face down)
	Duplexing Unit (Yes/No)	Yes
Paper	Paper Manufacturer	HP / Xerox
	Paper Weight	20lb / 75 g/m2
	Paper Size	Letter / A4
	Paper type/name	HP Multipurpose Ultra White / HP Office

Summary Report: A4			
Office Category Test for B&W Device		FSOT (seconds)	ESAT (ipm)
B&W	Simplex	10.2	60.5
	Duplex	14.5	60.7

Notes  
1) All printing device and driver settings were default mode.  
2) For the B/W results, the print driver was set to "print in B/W".  
3) For more information see <http://www.hp.com/go/printerclaims>.  
4) Port monitor not configured to follow device if the IP address changes.

Detailed Report: A4						
	Office Category Test	FSOT (secs)	EFTP (ipm)			ESAT (ipm)
		1 set only (1 set)	1 set only (1 set)	1 set + 30sec (# of sets)	1 set + 4min (# of sets)	1 set + 30sec
Colour Mode	Simplex - Adobe Reader		( 1 set )			
	Simplex - Word		( 1 set )			
	Simplex - Excel		( 1 set )			
	Simplex - Average					
	Duplex - Adobe Reader	N/A	N/A	N/A		N/A
	Duplex - Word	N/A	N/A	N/A		N/A
	Duplex - Excel	N/A	N/A	N/A		N/A
	Duplex - Average	N/A	N/A	N/A		N/A
B&W mode (optional for color device)	Simplex - Adobe Reader	10.05	23.87 ( 1 set )	48.15 ( 5 sets )	57.26 ( 62 sets )	60.62
	Simplex - Word	9.54	25.16 ( 1 set )	52.38 ( 9 sets )		60.57
	Simplex - Excel	11.01	21.80 ( 1 set )	51.20 ( 9 sets )		60.59
	Simplex - Average	10.2	23.6	50.5	57.2	60.5
	Duplex - Adobe Reader	14.49	16.56 ( 1 set )	45.10 ( 9 sets )		60.70
	Duplex - Word	14.83	16.18 ( 1 set )	46.90 ( 9 sets )		60.70
	Duplex - Excel	13.91	17.24 ( 1 set )	46.48 ( 9 sets )		60.70
	Duplex - Average	14.5	16.6	46.1		60.7

Notes  
1) All printing device and driver settings were default mode.  
2) For the B/W results, the print driver was set to "print in B/W".  
3) For more information see <http://www.hp.com/go/printerclaims>.  
4) Port monitor not configured to follow device if the IP address changes.

Test System Parameters	
Item	Value
Computer	HP Compaq Elite 8300 Small Form Factor
Processor	Intel Core i7 -3770, 3.4 GHz
System Chip Set	Intel C216 Chipset Family SMBus Host Controller
System Board	system devices, default system BIOS
System Memory	4 GB
Hard Drive Subsystem	Standard disk drive (Seagate)
Video Subsystem	AMD Radeon HD 6350
Optical Drive	HP DVD A DH16aCSHR ATA
I/O Subsystem	Builtin
USB Subsystem	USB 2.0/3.0
TCP/IP	TCP/IP 10/1000
Operating System	Windows 7 64 Bit
Printing Applications	Microsoft Office 2010
Microsoft Office	Office 2010
Adobe Reader	10
Test files and location	Office category files, hard drive

**ISO/IEC 24734 Printing Productivity Report: Office Category**

**Full Detailed Test Report - Tabloid**

HP LaserJet Managed MFP E82560DN

Printing device and settings		
Test Start Date and Time	3/29/2017 10:18	
Tester	TQW	
Machine name/model	HP LaserJet Managed MFP E82560DN	
Colour or B&W	B&W	
FW Version	2403293_005975	
Temperature and Humidity	75 degF / 24 degC 24.2 %rH	
Voltage	110V	
Test End Date and Time	2/23/2018 10:27	

Item	Value	
Mode and Setting	Driver Version	6.4.0
	Media/Quality Setting	Default / Default
	Simplex B&W Settings	Print in Grayscale
	Duplex B&W Settings	Print in Grayscale
	Setting N set count	Application
	Collating function	Activated (application)
Paper Path	Paper Sending Direction	Default
	Paper Size Setting	Default
	Paper Feeding	Tray 2
	Paper Exit	Standard Exit Tray
	Output Orientation	Default (face down)
	Duplexing Unit (Yes/No)	Yes
Paper	Paper Manufacturer	HP / Xerox
	Paper Weight	20lb / 75 g/m2
	Paper Size	Letter / A4
	Paper type/name	HP Multipurpose Ultra White / HP Office

Summary Report: Tabloid			
Office Category Test for B&W Device		FSOT (seconds)	ESAT (ipm)
B&W	Simplex	14.9	30.6
	Duplex	21.3	30.6

Notes  
 1) All printing device and driver settings were default mode.  
 2) For the B/W results, the print driver was set to "print in B/W".  
 3) For more information see <http://www.hp.com/go/printerclaims>.  
 4) Port monitor not configured to follow device if the IP address changes.

Detailed Report: Tabloid						
Office Category Test	FSOT (secs)	EFTP (ipm)			ESAT (ipm)	
		1 set only (1 set)	1 set + 30sec (# of sets)	1 set + 4min (# of sets)		
Color Mode	Simplex - Adobe Reader		( 1 set )			
	Simplex - Word		( 1 set )			
	Simplex - Excel		( 1 set )			
	Simplex - Average					
	Duplex - Adobe Reader	N/A	N/A	N/A	N/A	
	Duplex - Word	N/A	N/A	N/A	N/A	
	Duplex - Excel	N/A	N/A	N/A	N/A	
	Duplex - Average	N/A	N/A	N/A	N/A	
B&W mode (optional for color device)	Simplex - Adobe Reader	15.90	15.09 ( 1 set )	24.48 ( 5 sets )	28.69 ( 32 sets )	30.61
	Simplex - Word	14.18	16.93 ( 1 set )	25.87 ( 5 sets )		30.61
	Simplex - Excel	14.58	16.46 ( 1 set )	26.13 ( 5 sets )		30.60
	Simplex - Average	14.9	16.1	25.4	28.6	30.6
	Duplex - Adobe Reader	24.71	9.70 ( 1 set )	22.12 ( 5 sets )		30.66
	Duplex - Word	19.59	12.24 ( 1 set )	23.12 ( 5 sets )		30.64
	Duplex - Excel	19.36	12.38 ( 1 set )	23.36 ( 5 sets )		30.66
	Duplex - Average	21.3	11.4	22.8		30.6

Notes  
 1) All printing device and driver settings were default mode.  
 2) For the B/W results, the print driver was set to "print in B/W".  
 3) For more information see <http://www.hp.com/go/printerclaims>.  
 4) Port monitor not configured to follow device if the IP address changes.

Test System Parameters	
Item	Value
Computer	HP Compaq Elite 8300 Small Form Factor
Processor	Intel Core i7 -3770, 3.4 GHz
System Chip Set	Intel C216 Chipset Family SMBus Host Controller
System Board	system devices, default system BIOS
System Memory	4 GB
Hard Drive Subsystem	Standard disk drive (Seagate)
Video Subsystem	AMD Radeon HD 6350
Optical Drive	HP DVD A DH16aCSHR ATA
I/O Subsystem	Built-in
USB Subsystem	USB 2.0/3.0
TCPIP	10/100
Operating System	Windows 7 64 Bit
Printing Applications	Microsoft Office 2010
Microsoft Office	Office 2010
Adobe Reader	10
Test files and location	Office category files, hard drive

ISO/IEC 24734 Printing Productivity Report: Office Category  
Full Detailed Test Report - A3

HP LaserJet Managed MFP E82560DN

Printing device and settings		
Test Start Date and Time	3/29/2017 10:18	
Tester	TQW	
Machine name/model	HP LaserJet Managed MFP E82560DN	
Colour or B&W	B&W	
FW Version	2403293_005975	
Temperature and Humidity	75 degF / 24 degC 24.2 %rH	
Voltage	110V	
Test End Date and Time	2/23/2018 10:27	

Item	Value	
Mode and Setting	Driver Version	6.4.0
	Media/Quality Setting	Default / Default
	Simplex B&W Settings	Print in Grayscale
	Duplex B&W Settings	Print in Grayscale
	Setting N set count	Application
Paper Path	Collating function	Activated (application)
	Paper Sending Direction	Default
	Paper Size Setting	Default
	Paper Feeding	Tray 2
	Paper Exit	Standard Exit Tray
Paper	Output Orientation	Default (face down)
	Duplexing Unit (Yes/No)	Yes
	Paper Manufacturer	HP / Xerox
	Paper Weight	20lb / 75 g/m2
	Paper Size	Letter / A4
	Paper type/name	HP Multipurpose Ultra White / HP Office

Summary Report: A3			
Office Category Test for B&W Device		FSOT (seconds)	ESAT (ipm)
B&W	Simplex	10.4	30.6
	Duplex	13.9	30.6

Notes  
 1) All printing device and driver settings were default mode.  
 2) For the B/W results, the print driver was set to "print in B/W".  
 3) For more information see <http://www.hp.com/go/printerclaims>.  
 4) Port monitor not configured to follow device if the IP address changes.

Detailed Report: A3						
	Office Category Test	FSOT (secs)		EFTP (ipm)		ESAT (ipm)
		1 set only (1 set)	1 set only (1 set)	1 set + 30sec (# of sets)	1 set + 4min (# of sets)	
Color Mode	Simplex - Adobe Reader		( 1 set )			
	Simplex - Word		( 1 set )			
	Simplex - Excel		( 1 set )			
	Simplex - Average					
	Duplex - Adobe Reader	N/A	N/A	N/A		N/A
	Duplex - Word	N/A	N/A	N/A		N/A
	Duplex - Excel	N/A	N/A	N/A		N/A
	Duplex - Average	N/A	N/A	N/A		N/A
B&W mode (optional for color device)	Simplex - Adobe Reader	16.00	15.00 ( 1 set )	24.16 ( 5 sets )	29.42 ( 32 sets )	30.68
	Simplex - Word	13.91	17.25 ( 1 set )	26.50 ( 5 sets )		30.61
	Simplex - Excel	14.50	16.54 ( 1 set )	25.21 ( 5 sets )		30.62
	Simplex - Average	14.9	16.2	25.2	29.4	30.6
	Duplex - Adobe Reader	23.37	10.26 ( 1 set )	21.24 ( 5 sets )		30.56
	Duplex - Word	19.90	12.06 ( 1 set )	22.32 ( 5 sets )		30.62
	Duplex - Excel	19.41	12.36 ( 1 set )	23.42 ( 5 sets )		30.66
	Duplex - Average	20.9	11.5	22.3		30.6

Notes  
 1) All printing device and driver settings were default mode.  
 2) For the B/W results, the print driver was set to "print in B/W".  
 3) For more information see <http://www.hp.com/go/printerclaims>.  
 4) Port monitor not configured to follow device if the IP address changes.

Test System Parameters	
Item	Value
Computer	HP Compaq Elite 8300 Small Form Factor
Processor	Intel Core i7 -3770, 3.4 GHz
System Chip Set	Intel C216 Chipset Family SMBus Host Controller
System Board	system devices, default system BIOS
System Memory	4 GB
Hard Drive Subsystem	Standard disk drive (Seagate)
Video Subsystem	AMD Radeon HD 6350
Optical Drive	HP DVD A DH16aCSHR ATA
I/O Subsystem	Built-in
USB Subsystem	USB 2.0/3.0
TCP/IP	TCP/IP 10/1000
Operating System	Windows 7 64 Bit
Printing Applications	Microsoft Office 2010
Microsoft Office	Office 2010
Adobe Reader	10
Test files and location	Office category files, hard drive

**ISO/IEC 24734 Printing Productivity Report: Office Category**  
**Feature Performance Full Report - Office Feature Performance Test**

HP LaserJet Managed MFP E82560DN

Printing device and settings		
Test Start Date and Time	3/29/2017 10:18	
Tester	TQW	
Machine name/model	HP LaserJet Managed MFP E82560DN	
Colour or B&W	B&W	
FW Version	2403293_005975	
Temperature and Humidity	75 degF / 24 degC 24.2 %rH	
Voltage	110V	
Test End Date and Time	2/23/2018 10:27	

	Item	Value
Mode and Setting	Driver Version	6.4.0
	Media/Quality Setting	Default / Default
	Simplex B&W Settings	Print in Grayscale
	Duplex B&W Settings	Print in Grayscale
	Setting N set count	Application
Paper Path	Collating function	Activated (application)
	Paper Sending Direction	Default
	Paper Size Setting	Default
	Paper Feeding	Tray 2
	Paper Exit	Standard Exit Tray
Paper	Output Orientation	Default (face down)
	Duplexing Unit (Yes/No)	Yes
	Paper Manufacturer	HP / Xerox
	Paper Weight	20lb / 75 g/m2
	Paper Size	Letter / A4
	Paper type/name	HP Multipurpose Ultra White / HP Office

**ISO Print Productivity Report: Feature Performance Test Summary**

Printing Modes (Feature Adobe Reader - Office test file)		Feature Performance Ratio	
		FSOT (base) FSOT (feature)	ESAT (feature) ESAT (base)
A5, Landscape Feed, Simplex, Colour	Simplex		
A5, Portrait Feed, Simplex, Colour	Simplex		
Legal, Simplex, Colour	Simplex		
Legal, Duplex, Colour	Duplex		
A4, 1200 dpi, Simplex, Colour	Simplex		
Letter, 1200 dpi, Simplex, Colour	Simplex		
A4, General Office, Simplex, Colour	Simplex		
Letter, General Office, Simplex, Colour	Simplex		
A5, Landscape Feed, Simplex, B/W	Simplex	120%	100%
A5, Portrait Feed, Simplex, B/W	Simplex	112%	99%
Legal, Simplex, B/W	Simplex	91%	58%
Legal, Duplex, B/W	Duplex	72%	58%
A4, 1200 dpi, Simplex, B/W	Simplex	91%	99%
Letter, 1200 dpi, Simplex, B/W	Simplex	117%	100%

- Notes  
1) All printing device and driver settings were default mode.  
2) Test conducted with 8-paper Office Feature Performance file.  
3) For more information see <http://www.hp.com/go/printerclaims>.  
4) Port monitor not configured to follow device if the IP address changes.

**Feature Performance Full Report - Feature Printing Mode: 'Office' Feature Performance Test**

Printing Modes Feature Adobe Reader - Office test file (8-page)	Base Printing Mode		Feature Performance			
	FSOT Base	ESAT Base	1 set FSOT (secs)	1 set + 30 sec ESAT (ipm)	FSOT (base) FSOT (feature)	ESAT (feature) ESAT (base)
A5, Landscape Feed, Simplex, Colour						
A5, Portrait Feed, Simplex, Colour						
Legal, Simplex, Colour						
Legal, Duplex, Colour						
A4, 1200 dpi, Simplex, Colour						
Letter, 1200 dpi, Simplex, Colour						
A4, General Office, Simplex, Colour						
Letter, General Office, Simplex, Colour						
A5, Landscape Feed, Simplex, B/W	16.98	60.62	14.2	60.6	120%	100%
A5, Portrait Feed, Simplex, B/W	16.98	60.62	15.19	60.6	112%	99%
Legal, Simplex, B/W	18.78	60.59	20.73	35.3	91%	58%
Legal, Duplex, B/W	18.78	60.59	26.28	35.4	72%	58%
A4, 1200 dpi, Simplex, B/W	16.98	60.62	18.82	60.6	91%	99%
Letter, 1200 dpi, Simplex, B/W	18.78	60.59	16.1	60.6	117%	100%

- Notes  
1) All printing device and driver settings were default mode.  
2) Test conducted with 8-paper Office Feature Performance file.  
3) For more information see <http://www.hp.com/go/printerclaims>.  
4) Port monitor not configured to follow device if the IP address changes.

**Test System Parameters**

	Item	Value
Test System	Computer	HP Compaq Elite 8300 Small Form Factor
	Processor	Intel Core i7 -3770, 3.4 GHz
	System Chip Set	Intel C216 Chipset Family SMBus Host Controller
	System Board	system devices, default system BIOS
	System Memory	4 GB
	Hard Drive Subsystem	Standard disk drive (Seagate)
	Video Subsystem	AMD Radeon HD 6350
	Optical Drive	HP DVD A DH16aCSHR ATA
	I/O Subsystem	Built-in
	USB Subsystem	USB 2.0/3.0
I/O	TCP/IP	TCP/IP 10/1000
	Operating System	Windows 7 64 Bit
Software	Printing Applications	Microsoft Office 2010
	Microsoft Office	Office 2010
	Adobe Reader	10
	Test files and location	Office category files, hard drive

**ISO/IEC 17629 First Print Out Time Report: Office Category**

**Full Detailed Test Report - LETTER**

HP LaserJet Managed MFP E82560DN

Printing device and settings		
Test Start Date and Time	3/29/2017 10:18	
Tester	TQW	
Machine name/model	HP LaserJet Managed MFP E82560DN	
Colour or B&W	B&W	
FW Version	2403293_005975	
Configuration (options)	Default	
Controller	Unknown	
Printing device page count	Not Specified	
Printing supplies page count	Not Specified	
Temperature and Humidity	75 degF / 24 degC 24.2 %rH	
Voltage	110V	
Test End Date and Time	9/11/2017 14:39	

Item	Value
<b>Mode and Setting</b>	
PDL and driver version	6.4.0
Print Quality mode	default
B&W settings	default
Paper feed orientation	Short Edge
<b>Paper</b>	
Paper type setting	default
Paper feeding	Standard cassette
Paper exit	Standard exit tray
<b>Paper Path</b>	
Output orientation	default (face up or face down)

**ISO First Page Out Time Summary Report: Office Category**

Summary Report: Letter

FPOT from Ready (seconds)	
B&W	6.40
Simplex	
Duplex	

Notes  
 1) All printing device and driver settings were default mode.  
 2) For the B/W results, the print driver was set to "print in B/W".  
 3) For more information see <http://www.hp.com/go/printerclaims>.  
 4) Port monitor not configured to follow device if the IP address changes.  
 5) Page counts were collected after completion of the tests.

**ISO First Page Out Time Report: Office Category**

Detailed Report: LETTER						
		Word (seconds)	Excel (seconds)	Adobe Reader (seconds)	Average (seconds)	Delay Time
Color Mode	FPOT from Ready - Simplex					
	FPOT from Ready - Duplex					
	FPOT from Sleep - Simplex			N/A		
	Recovery Time					
	FPOT from Off - Simplex					
	Warm-up Time					
B&W Mode	FPOT from Ready - Simplex	6.12	6.21	6.87	6.40	20 Seconds
	FPOT from Ready - Duplex					
	FPOT from Sleep - Simplex			39.91		60 Minutes
	Recovery Time			33.0		
	FPOT from Off - Simplex			200.57		
	Warm-up Time			193.70		

Notes  
 1) All printing device and driver settings were default mode.  
 2) For the B/W results, the print driver was set to "print in B/W".  
 3) For more information see <http://www.hp.com/go/printerclaims>.  
 4) Port monitor not configured to follow device if the IP address changes.  
 5) Page counts were collected after completion of the tests.  
 6) Details for FPOT from Sleep are shown below.

**HP Data Table**

Detailed Report: LETTER

		FPOT Avg (secs)	FPOT (secs) Iteration 1	FPOT (secs) Iteration 2	FPOT (secs) Iteration 3	Application	Delay Time
Color Mode	FPOT from Sleep	N/A	N/A	N/A	N/A	Adobe Reader	
	FPOT from Sleep (15 minutes) HP/Non ISO Test	N/A	N/A	N/A	N/A	Adobe Reader	
B&W Mode	FPOT from Sleep	39.91	39.76	40.05	N/A	Adobe Reader	60 Minutes
	FPOT from Sleep (15 minutes) HP/Non ISO Test	19.62	19.58	19.65	N/A	Adobe Reader	15 Minutes

Notes  
 1) All printing device and driver settings were default mode.  
 2) For the B/W results, the print driver was set to "print in B/W".  
 3) DLP includes detailed iterations as data measurements may vary run to run.

Test System Parameters		
Item	Value	
Test System	Computer	HP Compaq Elite 8300 Small Form Factor
	Processor	Intel Core i7 -3770, 3.4 GHz
	System Chip Set	Intel C216 Chipset Family SMBus Host Controller
	System Board	System devices, default system BIOS
	System Memory	4 GB
	Hard Drive Subsystem	Standard disk drive (Seagate)
	Video Subsystem	AMD Radeon HD 6350
	Optical Drive	HP DVD A DH16aC5HR ATA
	I/O Subsystem	Builtin
	USB Subsystem	USB 2.0/3.0
Printing Device Connection	TCP/IP	
Software	Operating System	Windows 7 Business/Ultimate, 64 bit, Build 7601, SP 1
	Printing Applications	Microsoft Office 2010 SP2 Adobe Reader 10.1.4
	Print Driver	6.4.0

**ISO/IEC 17629 First Print Out Time Report: Office Category**

**Full Detailed Test Report - A4**

HP LaserJet Managed MFP E82560DN

Printing device and settings		
Test Start Date and Time	3/29/2017 10:18	
Tester	TQW	
Machine name/model	HP LaserJet Managed MFP E82560DN	
Colour or B&W	B&W	
FW Version	2403293_005975	
Configuration (options)	Default	
Controller	Unknown	
Printing device page count	Not Specified	
Printing supplies page count	Not Specified	
Temperature and Humidity	75 degF / 24 degC 24.2 %rH	
Voltage	110V	
Test End Date and Time	9/11/2017 14:39	

Item	Value
<b>Mode and Setting</b>	
PDL and driver version	6.4.0
Print Quality mode	default
B&W settings	default
Paper feed orientation	Short Edge
<b>Paper</b>	
Paper type setting	default
Paper feeding	Standard cassette
Paper exit	Standard exit tray
<b>Paper Path</b>	
Output orientation	default (face up or face down)

**ISO First Page Out Time Summary Report: Office Category**

Summary Report: A4

FPOT from Ready (seconds)		
<b>B&amp;W</b>	Simplex	6.22
	Duplex	

**Notes**

- 1) All printing device and driver settings were default mode.
- 2) For the B/W results, the print driver was set to "print in B/W".
- 3) For more information see <http://www.hp.com/go/printerclaims>.
- 4) Port monitor not configured to follow device if the IP address changes.
- 5) Page counts were collected after completion of the tests.

**ISO First Page Out Time Report: Office Category**

Detailed Report: A4						
		Word (seconds)	Excel (seconds)	Adobe Reader (seconds)	Average (seconds)	Delay Time
<b>Color Mode</b>	FPOT from Ready - Simplex					
	FPOT from Ready - Duplex					
	FPOT from Sleep - Simplex			N/A		
	Recovery Time					
	FPOT from Off - Simplex					
	Warm-up Time					
<b>B&amp;W Mode</b>	FPOT from Ready - Simplex	6.08	6.11	6.44	6.22	20 Seconds
	FPOT from Ready - Duplex					
	FPOT from Sleep - Simplex			40.15		60 Minutes
	Recovery Time			33.7		
	FPOT from Off - Simplex			203.11		
	Warm-up Time			196.67		

**Notes**

- 1) All printing device and driver settings were default mode.
- 2) For the B/W results, the print driver was set to "print in B/W".
- 3) For more information see <http://www.hp.com/go/printerclaims>.
- 4) Port monitor not configured to follow device if the IP address changes.
- 5) Page counts were collected after completion of the tests.
- 6) Details for FPOT from Sleep are shown below.

**HP Data Table**

Detailed Report: A4

		FPOT Avg (secs)	FPOT (secs) Iteration 1	FPOT (secs) Iteration 2	FPOT (secs) Iteration 3	Application	Delay Time
<b>Color Mode</b>	FPOT from Sleep	N/A	N/A	N/A	N/A	Adobe Reader	
	FPOT from Sleep (15 minutes) HP/Non ISO Test	N/A	N/A	N/A	N/A	Adobe Reader	
<b>B&amp;W Mode</b>	FPOT from Sleep	40.15	40.66	39.63	N/A	Adobe Reader	60 Minutes
	FPOT from Sleep (15 minutes) HP/Non ISO Test	18.97	18.68	19.25	N/A	Adobe Reader	15 Minutes

**Notes**

- 1) All printing device and driver settings were default mode.
- 2) For the B/W results, the print driver was set to "print in B/W".
- 3) DLP includes detailed iterations as data measurements may vary run to run.

Test System Parameters		
Item	Value	
<b>Test System</b>	Computer	HP Compaq Elite 8300 Small Form Factor
	Processor	Intel Core i7 -3770, 3.4 GHz
	System Chip Set	Intel C216 Chipset Family SMBus Host Controller
	System Board	System devices, default system BIOS
	System Memory	4 GB
	Hard Drive Subsystem	Standard disk drive (Seagate)
	Video Subsystem	AMD Radeon HD 6350
	Optical Drive	HP DVD A DH16aC5HR ATA
	I/O Subsystem	Builtin
	USB Subsystem	USB 2.0/3.0
<b>Printing Device Connection</b>	TCP/IP	10/1000
<b>Software</b>	Operating System	Windows 7 Business/Ultimate, 64 bit, Build 7601, SP 1
	Printing Applications	Microsoft Office 2010 SP2 Adobe Reader 10.1.4
	Print Driver	6.4.0

# ISO/IEC 29183 Copy Productivity Report

## Full Detailed Test Report - LETTER

HP LaserJet Managed MFP E82560DN	
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Machine Setup Information	
Test Start Date and Time	3/28/2017 10:02
Tester	TQW
Machine name/model	HP LaserJet Managed MFP E82560DN
Colour or B&W	B&W
FW Version	2403293_005975
Configuration (options)	Not Specified
Temperature and Humidity	75 degF / 24 degC 24.2 %rH
Test End Date and Time:	9/11/2017 13:56

	Pre-set Item	Pre-set Value
<b>Mode</b>	Output Resolution	Default
	Output Quality	Default
	Copying Mode	Colour for Colour and B&W for B&W
	Auto Density Adjustment	Default
	Collating function	Set in Control Panel
<b>Paper</b>	Paper Sending Direction	Default
	Paper Type Setting	Default
<b>Paper Path</b>	Paper Feeding	Tray 2
	Paper Exit	Default
	Face Up Exit	Default (face down)
<b>Temporary Stop</b>	Fixing Capability	Default
	Image Quality Stability	Default
	Capacity of Paper	Default
	Others	None

<b>Paper</b>	Paper Manufacturer	HP / Xerox
	Paper Weight	20lb / 75 g/m2
	Paper Size	Letter / A4
	Paper type/name	HP Multipurpose Ultra White / HP Office

Summary Report: <b>Letter</b>		
	sFCOT	sESAT (ipm)
<b>B&amp;W</b>	4.6	60.6

Notes  
 First Copy Out and Copy Speed measured using ISO/IEC 29183, excludes first set of test documents. For more information see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration and document.  
 Only Target A was used, all test documents have the same Saturated throughput. Reference ISO/IEC29183:2010 Clause 5, Sections 5.3.1 and 5.3.2

Detailed Report: <b>LETTER</b>						
	Target	sFCOT (secs)	sEFTP (ipm)			sESAT (ipm)
			1copy	1copy+30sec	1copy+4minutes	
<b>B&amp;W</b>	A	4.56	13.19	51.24 32 sets	58.38 246 sets	60.62
	B					
	C					
	D					
	Average	4.6	13.2	51.2	58.4	60.6

Notes  
 First Copy Out and Copy Speed measured using ISO/IEC 29183, excludes first set of test documents. For more information see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration and document.  
 Only Target A was used, all test documents have the same Saturated throughput. Reference ISO/IEC29183:2010 Clause 5, Sections 5.3.1 and 5.3.2



# ISO/IEC 29183 Copy Productivity Report

## Full Detailed Test Report - A4

HP LaserJet Managed MFP E82560DN	
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Machine Setup Information	
Test Start Date and Time	3/28/2017 10:02
Tester	TQW
Machine name/model	HP LaserJet Managed MFP E82560DN
Colour or B&W	B&W
FW Version	2403293_005975
Configuration (options)	Not Specified
Temperature and Humidity	75 degF / 24 degC 24.2 %rH
Test End Date and Time:	9/11/2017 13:56

	Pre-set Item	Pre-set Value
<b>Mode</b>	Output Resolution	Default
	Output Quality	Default
	Copying Mode	Colour for Colour and B&W for B&W
	Auto Density Adjustment	Default
	Collating function	Set in Control Panel
<b>Paper</b>	Paper Sending Direction	Default
	Paper Type Setting	Default
<b>Paper Path</b>	Paper Feeding	Tray 2
	Paper Exit	Default
	Face Up Exit	Default (face down)
<b>Temporary Stop</b>	Fixing Capability	Default
	Image Quality Stability	Default
	Capacity of Paper	Default
	Others	None

<b>Paper</b>	Paper Manufacturer	HP / Xerox
	Paper Weight	20lb / 75 g/m2
	Paper Size	Letter / A4
	Paper type/name	HP Multipurpose Ultra White / HP Office

Summary Report: <b>A4</b>		
	sFCOT	sESAT (ipm)
<b>B&amp;W</b>	4.8	60.6

Notes  
 First Copy Out and Copy Speed measured using ISO/IEC 29183, excludes first set of test documents. For more information see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration and document.  
 Only Target A was used, all test documents have the same Saturated throughput. Reference ISO/IEC29183:2010 Clause 5, Sections 5.3.1 and 5.3.2

Detailed Report: <b>A4</b>						
	Target	sFCOT (secs)	sEFTP (ipm)			sESAT (ipm)
			1copy	1copy+30sec	1copy+4minutes	
<b>B&amp;W</b>	A	4.82	12.45	51.80 32 sets	58.42 244 sets	60.59
	B					
	C					
	D					
	Average	4.8	12.5	51.8	58.4	60.6

Notes  
 First Copy Out and Copy Speed measured using ISO/IEC 29183, excludes first set of test documents. For more information see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration and document.  
 Only Target A was used, all test documents have the same Saturated throughput. Reference ISO/IEC29183:2010 Clause 5, Sections 5.3.1 and 5.3.2

# ISO/IEC 24735 Copy Productivity Report

Full Detailed Test Report - LETTER

Machine Setup Information	
Test Start Date and Time	4/10/2017 9:24
Tester	TQW
Machine name/model	HP LaserJet Managed MFP E82560DN
Colour or B&W	B&W
FW Version	2403293_005975
Configuration (options)	Not Specified
Temperature and Humidity	75 degF / 24 degC 24.2 %rH
Test End Date and Time:	9/12/2017 11:01
Pre-set Item	
Pre-set Value	
Output Resolution	Default
Output Quality	Default
Copying Mode	Default
Auto Density Adjustment	Default
Collating function	Activated (if not activated in default mode)
Paper Sending Direction	Default
Paper Type Setting	Default
Paper Feeding	Standard cassette
Paper Exit	Standard exit tray
Face Up Exit	Default
Fixing Capability	Default
Image Quality Stability	Default
Capacity of Paper	Default
Others	Default
Paper Manufacturer	HP / Xerox
Paper Weight	20lb / 75 g/m2
Paper Size	Letter / A4

ISO/IEC 24735 Copy Productivity Report						
Detailed Report: LETTER						
	Copying Mode	FSOT (secs)	EFTP (ipm)			ESAT (ipm)
		1 set only	1 set only	1 set + 30sec	1 set + 4min	1 set + 30sec
Color Mode	1:1		( 1 set )			
	1:2		( 1 set )			
	2:2		( 1 set )			
B&W mode	1:1	10.65	22.54	51.29 11 sets	58.66 63 sets	60.62
	1:2	18.50	12.98	45.86 11 sets		60.72
	2:2	18.25	13.14	43.08 9 sets		60.72

Notes  
Reports located: <http://www.hp.com/go/printerclaims>

# ISO/IEC 24735 Copy Productivity Report

## Full Detailed Test Report - A4

Machine Setup Information	
Test Start Date and Time	4/10/2017 9:24
Tester	TQW
Machine name/model	HP LaserJet Managed MFP E82560DN
Colour or B&W	B&W
FW Version	2403293_005975
Configuration (options)	Not Specified
Temperature and Humidity	75 degF / 24 degC 24.2 %rH
Test End Date and Time:	9/12/2017 11:01
Pre-set Item	
Pre-set Value	
Output Resolution	Default
Output Quality	Default
Copying Mode	Default
Auto Density Adjustment	Default
Collating function	Activated (if not activated in default mode)
Paper Sending Direction	Default
Paper Type Setting	Default
Paper Feeding	Standard cassette
Paper Exit	Standard exit tray
Face Up Exit	Default
Fixing Capability	Default
Image Quality Stability	Default
Capacity of Paper	Default
Others	Default
Paper Manufacturer	HP / Xerox
Paper Weight	20lb / 75 g/m2
Paper Size	Letter / A4

ISO/IEC 24735 Copy Productivity Report						
Detailed Report: A4						
	Copying Mode	FSOT (secs)	EFTP (ipm)			ESAT (ipm)
		1 set only	1 set only	1 set + 30sec	1 set + 4min	1 set + 30sec
Colour Mode	1:1		( 1 set )			
	1:2		( 1 set )			
	2:2		( 1 set )			
B&W mode	1:1	10.43	23.01	50.60 11 sets	58.15 62 sets	60.61
	1:2	17.16	14.00	46.62 11 sets		60.70
	2:2	19.23	12.48	42.84 9 sets		60.70
Notes						
Reports located: <a href="http://www.hp.com/go/printerclaims">http://www.hp.com/go/printerclaims</a>						

ISO/IEC 17991 Scanning Productivity Report

Full Detailed Test Report - LETTER

Machine Setup Information	
Test Start Date and Time	3/29/2017 10:56
Tester	TQW
Machine name/model	HP LaserJet Managed MFP E82560DN
Colour or B&W	B&W
Configuration (options)	Default
Temperature and Humidity	75 degF / 24 degC 24.2 %rH
Voltage	110V
Test End Date and Time	9/7/2017 13:49

Mode and Setting	Preset Item	Preset Value
		Scanning resolution
	Colour or grey scale/B&W	default (colour)
	Duplex / simplex	default (simplex)
	Original page size	default (A4)
	Paper feed orientation	default (long edge)
	Scan destination	default (shared network)
	Storing File Type	default (PDF-multi)
	Auto scan quality adjustment	default (factory preset default setting)
ADF	Paper feed direction	default (long edge)
Paper-path	Output orientation	default
	Scanning unit	default (duplex ADF)

ISO/IEC 17991 - Scan Summary Report: ADF Productivity Measurement

Summary Report: Letter

	Scanning Mode			Measurement result
	File format version	Resolution	Scanning side	scESAT 30secA (ipm)
Colour	1.4	200	single sided	102.46
			double sided	209.22
B&W	1.4	200	single sided	102.62
			double sided	209.19

Notes

- 1) For more information see <http://www.hp.com/go/printerclaims>.
- 2) For the B/W results, the device scan setting is set to "Scan in B/W".

ISO/IEC 17991 - Scan Summary Report: Network Folder Productivity Measurement

Summary Report: Letter

	Scanning Mode			Measurement result		
	File format version	Resolution	Scanning side	scEFTP 30secF (ipm)	File size 30secF (Mbyte)	Number of Sets (30secF)
Colour	1.4	200	single sided	63.33	6.92	15.00
			double sided	70.75	15.61	28.00
B&W	1.4	200	single sided	76.59	2.67	15.00
			double sided	104.33	5.07	28.00

Notes

- 1) For more information see <http://www.hp.com/go/printerclaims>.
- 2) For the B/W results, the device scan setting is set to "Scan in B/W".

ISO/IEC 17991 - Scan Full Report: ADF Productivity Measurement

Summary Report: Letter

	Scanning Mode			Measurement result		
	File format version	Resolution	Scanning side	scEFTP 1setA (ipm)	scEFTP 30secA (ipm)	scESAT 30secA (ipm)
Colour	1.4	200	single sided	36.92	91.47	102.46
			double sided	47.07	185.62	209.22
B&W	1.4	200	single sided	37.48	92.13	102.62
			double sided	47.20	185.63	209.19

Notes

- 1) For more information see <http://www.hp.com/go/printerclaims>.
- 2) For the B/W results, the device scan setting is set to "Scan in B/W".

ISO/IEC 17991 - Scan Full Report: Network Folder Productivity Measurement

Summary Report: Letter

	Scanning Mode			Measurement result			
	File format version	Resolution	Scanning side	scEFTP 1setF (ipm)	scEFTP 30secF (ipm)	File size 30secF (Mbyte)	Number of Sets (30secF)
Colour	1.4	200	single sided	22.90	63.33	6.92	15
			double sided	22.90	70.75	15.61	28
B&W	1.4	200	single sided	27.00	76.59	2.67	15
			double sided	27.00	104.33	5.07	28

Notes

- 1) For more information see <http://www.hp.com/go/printerclaims>.
- 2) For the B/W results, the device scan setting is set to "Scan in B/W".

Test System Parameters		
Item	Value	
System	Computer name	HP Compaq Elite 8300 Small Form Factor
	Processor	Intel Core i7 -3770, 3.4 GHz
	System Chip Set	Intel C216 Chipset Family SMBus Host Controller
	System Board	System devices, default system BIOS
	System Memory	4 GB
	Hard Drive Subsystem	Standard disk drive (Seagate)
	Video Subsystem	AMD Radeon HD 6350
	Optical Drive	HP DVD A DH16aCSHR ATA
	I/O Subsystem	BuiltIn
	USB Subsystem	USB 2.0/3.0
	Operating System	Windows 7 Business/Ultimate, 64 bit, Build 7601, SP 1
Scanning Device Connection	Location of network folder	PC
	Internet Protocol	IPv4
	Transfer Protocol	SMB
	Hub	Trendnet Router and Gbit Switch
	Network Speed	TCP 10/1000 Mbit Ethernet
	Connction Cable	Cat6 Straight cable
	Wireless router	No use
Others	No use	

ISO/IEC 17991 Scanning Productivity Report

Full Detailed Test Report - A4

Machine Setup Information	
Test Start Date and Time	3/29/2017 10:56
Tester	TQW
Machine name/model	HP LaserJet Managed MFP E82560DN
Colour or B&W	B&W
Configuration (options)	Default
Temperature and Humidity	75 degF / 24 degC 24.2 %rH
Voltage	110V
Test End Date and Time	9/7/2017 13:49

Mode and Setting	Preset Item	Preset Value
	Scanning resolution	default (200 dpi)
Colour or grey scale/B&W	default (colour)	
Duplex / simplex	default (simplex)	
Original page size	default (A4)	
Paper feed orientation	default (long edge)	
Scan destination	default (shared network)	
Storing File Type	default (PDF-multi)	
Auto scan quality adjustment	default (factory preset default setting)	
ADF Paper-path	Paper feed direction	default (long edge)
	Output orientation	default
	Scanning unit	default (duplex ADF)

ISO/IEC 17991 - Scan Summary Report: ADF Productivity Measurement

Summary Report: A4

	Scanning Mode			Measurement result
	File format version	Resolution	Scanning side	scESAT 30secA (ipm)
Colour	1.4	200	single sided	104.28
			double sided	213.26
B&W	1.4	200	single sided	104.20
			double sided	213.01

Notes

- 1) For more information see <http://www.hp.com/go/printerclaims>.
- 2) For the B/W results, the device scan setting is set to "Scan in B/W".

ISO/IEC 17991 - Scan Summary Report: Network Folder Productivity Measurement

Summary Report: A4

	Scanning Mode			Measurement result		
	File format version	Resolution	Scanning side	scEFTP 30secF (ipm)	File size 30secF (Mbyte)	Number of Sets (30secF)
Colour	1.4	200	single sided	67.29	6.04	15.00
			double sided	77.76	14.70	29.00
B&W	1.4	200	single sided	80.00	2.36	15.00
			double sided	129.41	4.90	28.00

Notes

- 1) For more information see <http://www.hp.com/go/printerclaims>.
- 2) For the B/W results, the device scan setting is set to "Scan in B/W".

ISO/IEC 17991 - Scan Full Report: ADF Productivity Measurement

Summary Report: A4

	Scanning Mode			Measurement result		
	File format version	Resolution	Scanning side	scEFTP 1setA (ipm)	scEFTP 30secA (ipm)	scESAT 30secA (ipm)
Colour	1.4	200	single sided	36.25	93.1	104.28
			double sided	44.91	190.78	213.26
B&W	1.4	200	single sided	35.15	93.26	104.2
			double sided	46.29	187.89	213.01

Notes

- 1) For more information see <http://www.hp.com/go/printerclaims>.
- 2) For the B/W results, the device scan setting is set to "Scan in B/W".

ISO/IEC 17991 - Scan Full Report: Network Folder Productivity Measurement

Summary Report: A4

	Scanning Mode			Measurement result			
	File format version	Resolution	Scanning side	scEFTP 1setF (ipm)	scEFTP 30secF (ipm)	File size 30secF (Mbyte)	Number of Sets (30secF)
Colour	1.4	200	single sided	24.00	67.29	6.04	15
			double sided	20.90	77.76	14.70	29
B&W	1.4	200	single sided	26.66	80.00	2.36	15
			double sided	32.14	129.41	4.90	28

Notes

- 1) For more information see <http://www.hp.com/go/printerclaims>.
- 2) For the B/W results, the device scan setting is set to "Scan in B/W".

Test System Parameters		
Item	Value	
System	Computer name	HP Compaq Elite 8300 Small Form Factor
	Processor	Intel Core i7 -3770, 3.4 GHz
	System Chip Set	Intel C216 Chipset Family SMBus Host Controller
	System Board	System devices, default system BIOS
	System Memory	4 GB
	Hard Drive Subsystem	Standard disk drive (Seagate)
	Video Subsystem	AMD Radeon HD 6350
	Optical Drive	HP DVD A DH16aCSHR ATA
	I/O Subsystem	BuiltIn
	USB Subsystem	USB 2.0/3.0
	Operating System	Windows 7 Business/Ultimate, 64 bit, Build 7601, SP 1
Scanning Device Connection	Location of network folder	PC
	Internet Protocol	IPv4
	Transfer Protocol	SMB
	Hub	Trendnet Router and Gbit Switch
	Network Speed	TCP 10/1000 Mbit Ethernet
	Connection Cable	Cat6 Straight cable
	Wireless router	No use
Others	No use	

ISO/IEC 17991 Scanning Productivity Report

Full Detailed Test Report - Tabloid

Machine Setup Information	
Test Start Date and Time	3/29/2017 10:56
Tester	TQW
Machine name/model	HP LaserJet Managed MFP E82560DN
Colour or B&W	B&W
Configuration (options)	Default
Temperature and Humidity	75 degF / 24 degC 24.2 %rH
Voltage	110V
Test End Date and Time	9/7/2017 13:49

Mode and Setting	Preset Item	Preset Value
	Scanning resolution	default (200 dpi)
Colour or grey scale/B&W	default (colour)	
Duplex / simplex	default (simplex)	
Original page size	default (A4)	
Paper feed orientation	default (long edge)	
Scan destination	default (shared network)	
Storing File Type	default (PDF-multi)	
Auto scan quality adjustment	default (factory preset default setting)	
ADF Paper-path	Paper feed direction	default (long edge)
	Output orientation	default
	Scanning unit	default (duplex ADF)

ISO/IEC 17991 - Scan Summary Report: ADF Productivity Measurement

Summary Report: Tabloid

	Scanning Mode		Measurement result	
	File format version	Resolution	Scanning side	scESAT 30secA (ipm)
Colour	1.4	200	single sided	60.26
			double sided	120.71
B&W	1.4	200	single sided	60.27
			double sided	121.20

Notes

- 1) For more information see <http://www.hp.com/go/printerclaims>.
- 2) For the B/W results, the device scan setting is set to "Scan in B/W".

ISO/IEC 17991 - Scan Summary Report: Network Folder Productivity Measurement

Summary Report: Tabloid

	Scanning Mode		Measurement result			
	File format version	Resolution	Scanning side	scEFTP 30secF (ipm)	File size 30secF (Mbyte)	Number of Sets (30secF)
Colour	1.4	200	single sided	37.25	8.66	9.00
			double sided	27.81	15.78	17.00
B&W	1.4	200	single sided	45.95	2.89	9.00
			double sided	82.28	5.71	18.00

Notes

- 1) For more information see <http://www.hp.com/go/printerclaims>.
- 2) For the B/W results, the device scan setting is set to "Scan in B/W".

ISO/IEC 17991 - Scan Full Report: ADF Productivity Measurement

Summary Report: Tabloid

	Scanning Mode		Measurement result			
	File format version	Resolution	Scanning side	scEFTP 1setA (ipm)	scEFTP 30secA (ipm)	scESAT 30secA (ipm)
Colour	1.4	200	single sided	28.73	53.97	60.26
			double sided	37.40	107.35	120.71
B&W	1.4	200	single sided	29.32	54	60.27
			double sided	39.10	107.87	121.2

Notes

- 1) For more information see <http://www.hp.com/go/printerclaims>.
- 2) For the B/W results, the device scan setting is set to "Scan in B/W".

ISO/IEC 17991 - Scan Full Report: Network Folder Productivity Measurement

Summary Report: Tabloid

	Scanning Mode		Measurement result				
	File format version	Resolution	Scanning side	scEFTP 1setF (ipm)	scEFTP 30secF (ipm)	File size 30secF (Mbyte)	Number of Sets (30secF)
Colour	1.4	200	single sided	17.80	37.25	8.66	9
			double sided	14.66	27.81	15.78	17
B&W	1.4	200	single sided	22.90	45.95	2.89	9
			double sided	26.66	82.28	5.71	18

Notes

- 1) For more information see <http://www.hp.com/go/printerclaims>.
- 2) For the B/W results, the device scan setting is set to "Scan in B/W".

Test System Parameters		
Item	Value	
System	Computer name	HP Compaq Elite 8300 Small Form Factor
	Processor	Intel Core i7 -3770, 3.4 GHz
	System Chip Set	Intel C216 Chipset Family SMBus Host Controller
	System Board	System devices, default system BIOS
	System Memory	4 GB
	Hard Drive Subsystem	Standard disk drive (Seagate)
	Video Subsystem	AMD Radeon HD 6350
	Optical Drive	HP DVD A DH16aCSHR ATA
	I/O Subsystem	BuiltIn
	USB Subsystem	USB 2.0/3.0
	Operating System	Windows 7 Business/Ultimate, 64 bit, Build 7601, SP 1
Scanning Device Connection	Location of network folder	PC
	Internet Protocol	IPv4
	Transfer Protocol	SMB
	Hub	Trendnet Router and Gbit Switch
	Network Speed	TCP 10/1000 Mbit Ethernet
	Connction Cable	Cat6 Straight cable
	Wireless router	No use
Others	No use	

**ISO/IEC 17991 Scanning Productivity Report**

**Full Detailed Test Report - A3**

Machine Setup Information	
Test Start Date and Time	3/29/2017 10:56
Tester	TQW
Machine name/model	HP LaserJet Managed MFP E82560DN
Colour or B&W	B&W
Configuration (options)	Default
Temperature and Humidity	75 degF / 24 degC 24.2 %rH
Voltage	110V
Test End Date and Time	9/7/2017 13:49

Mode and Setting	Preset Item	Preset Value
		Scanning resolution
	Colour or grey scale/B&W	default (colour)
	Duplex / simplex	default (simplex)
	Original page size	default (A4)
	Paper feed orientation	default (long edge)
	Scan destination	default (shared network)
	Storing File Type	default (PDF-multi)
	Auto scan quality adjustment	default (factory preset default setting)
ADF	Paper feed direction	default (long edge)
Paper-path	Output orientation	default
	Scanning unit	default (duplex ADF)

**ISO/IEC 17991 - Scan Summary Report: ADF Productivity Measurement**

Summary Report: A3

	Scanning Mode			Measurement result
	File format version	Resolution	Scanning side	scESAT 30secA (ipm)
Colour	1.4	200	single sided	60.95
			double sided	122.72
B&W	1.4	200	single sided	60.91
			double sided	122.32

Notes

- 1) For more information see <http://www.hp.com/go/printerclaims>.
- 2) For the B/W results, the device scan setting is set to "Scan in B/W".

**ISO/IEC 17991 - Scan Summary Report: Network Folder Productivity Measurement**

Summary Report: A3

	Scanning Mode			Measurement result		
	File format version	Resolution	Scanning side	scEFTP 30secF (ipm)	File size 30secF (Mbyte)	Number of Sets (30secF)
Colour	1.4	200	single sided	39.13	9.89	11.00
			double sided	45.83	17.34	19.00
B&W	1.4	200	single sided	46.31	3.85	11.00
			double sided	84.44	6.02	19.00

Notes

- 1) For more information see <http://www.hp.com/go/printerclaims>.
- 2) For the B/W results, the device scan setting is set to "Scan in B/W".

**ISO/IEC 17991 - Scan Full Report: ADF Productivity Measurement**

Summary Report: A3

	Scanning Mode			Measurement result		
	File format version	Resolution	Scanning side	scEFTP 1setA (ipm)	scEFTP 30secA (ipm)	scESAT 30secA (ipm)
Colour	1.4	200	single sided	29.83	55.33	60.95
			double sided	37.92	108.28	122.72
B&W	1.4	200	single sided	28.80	55.1	60.91
			double sided	38.43	110.35	122.32

Notes

- 1) For more information see <http://www.hp.com/go/printerclaims>.
- 2) For the B/W results, the device scan setting is set to "Scan in B/W".

**ISO/IEC 17991 - Scan Full Report: Network Folder Productivity Measurement**

Summary Report: A3

	Scanning Mode			Measurement result			
	File format version	Resolution	Scanning side	scEFTP 1setF (ipm)	scEFTP 30secF (ipm)	File size 30secF (Mbyte)	Number of Sets (30secF)
Colour	1.4	200	single sided	17.80	39.13	9.89	11
			double sided	17.23	45.83	17.34	19
B&W	1.4	200	single sided	20.90	46.31	3.85	11
			double sided	25.33	84.44	6.02	19

Notes

- 1) For more information see <http://www.hp.com/go/printerclaims>.
- 2) For the B/W results, the device scan setting is set to "Scan in B/W".

Test System Parameters		
	Item	Value
System	Computer name	HP Compaq Elite 8300 Small Form Factor
	Processor	Intel Core i7 -3770, 3.4 GHz
	System Chip Set	Intel C216 Chipset Family SMBus Host Controller
	System Board	System devices, default system BIOS
	System Memory	4 GB
	Hard Drive Subsystem	Standard disk drive (Seagate)
	Video Subsystem	AMD Radeon HD 6350
	Optical Drive	HP DVD A DH16aCSHR ATA
	I/O Subsystem	BuiltIn
	USB Subsystem	USB 2.0/3.0
	Operating System	Windows 7 Business/Ultimate, 64 bit, Build 7601, SP 1
Scanning Device Connection	Location of network folder	PC
	Internet Protocol	IPv4
	Transfer Protocol	SMB
	Hub	Trendnet Router and Gbit Switch
	Network Speed	TCP 10/1000 Mbit Ethernet
	Connction Cable	Cat6 Straight cable
	Wireless router	No use
Others	No use	