

ISO/IEC 24734 Printing Productivity Report: Office Category

Full Detailed Test Report - LETTER

HP PageWide Managed Color MFP P77960 Series

Printing device and settings		
Test Start Date and Time	5/1/2018 13:09	
Tester	AW	
Machine name/model	HP PageWide Managed Color MFP P77960 Series	
Colour or B&W	Colour	
FW Version	2406029_028982	
Temperature and Humidity	72 degF / 22 degC 24.1 %rH	
Voltage	110V	
Test End Date and Time	6/4/2018 13:03	

Item	Value	
Mode and Setting	Driver Version	6.5.0.22695
	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: Letter			
Office Category	Test for Color Device	FSOT (seconds)	ESAT (ipm)
Color	Simplex	11.17	60.97
	Duplex	21.34	41.59
B&W	Simplex	10.92	61.09
	Duplex	20.99	41.62

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 only (1 set)	1 set + 30sec (# of sets)		1 set + 4min (# of sets)
Color Mode	Simplex - Adobe Reader	11.41	21.03 (1 set)	49.65 (9 sets)	58.64 (62 sets)	60.90
	Simplex - Word	11.00	21.83 (1 set)	50.49 (9 sets)		61.05
	Simplex - Excel	11.08	21.68 (1 set)	50.61 (9 sets)		60.98
	Simplex - Average	11.17	21.51 (1 set)	50.25 (9 sets)	58.64 (62 sets)	60.97
	Duplex - Adobe Reader	21.69	11.06 (1 set)	29.58 (7 sets)		41.60
	Duplex - Word	21.21	11.30 (1 set)	31.30 (7 sets)		41.60
	Duplex - Excel	21.11	11.36 (1 set)	30.34 (7 sets)		41.58
	Duplex - Average	21.34	11.24 (1 set)	30.40 (7 sets)		41.59
B&W mode (optional for color device)	Simplex - Adobe Reader	11.57	20.77 (1 set)	49.94 (9 sets)	58.73 (62 sets)	60.90
	Simplex - Word	10.48	22.90 (1 set)	50.88 (9 sets)		61.23
	Simplex - Excel	10.69	22.45 (1 set)	50.87 (9 sets)		61.16
	Simplex - Average	10.92	22.04 (1 set)	50.56 (9 sets)	58.7 (62 sets)	61.09
	Duplex - Adobe Reader	21.53	11.14 (1 set)	31.04 (7 sets)		41.64
	Duplex - Word	20.60	11.64 (1 set)	31.62 (7 sets)		41.62
	Duplex - Excel	20.82	11.52 (1 set)	31.22 (7 sets)		41.62
	Duplex - Average	20.99	11.43 (1 set)	31.29 (7 sets)		41.62

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
TCPIP	TCPIP/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 PageWide Managed Color MFP P77960 Series

Printing device and settings		
Test Start Date and Time	5/1/2018 13:09	
Tester	AW	
Machine name/model	HP PageWide Managed Color MFP P77960 Series	
Colour or B&W	Colour	
FW Version	2406029_028982	
Temperature and Humidity	72 degF / 22 degC 24.1 %rH	
Voltage	110V	
Test End Date and Time	6/4/2018 13:03	

Item	Value	
Mode and Setting	Driver Version	6.5.0.22695
	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 Color Device		FSOT (seconds)	ESAT (ipm)
Colour	Simplex	11.35	61.19
	Duplex	21.57	41.47
B&W	Simplex	10.99	61.14
	Duplex	20.97	41.59

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)
Colour Mode	Simplex - Adobe Reader	11.90	20.20 (1 set)	48.66 (9 sets)	58.84 (64 sets)	61.07
	Simplex - Word	11.02	21.79 (1 set)	50.47 (9 sets)		61.18
	Simplex - Excel	11.13	21.58 (1 set)	49.98 (9 sets)		61.32
	Simplex - Average	11.35	21.19	49.70	58.84	61.19
	Duplex - Adobe Reader	22.35	10.72 (1 set)	30.58 (7 sets)		41.58
	Duplex - Word	21.07	11.38 (1 set)	31.54 (7 sets)		41.60
	Duplex - Excel	21.27	11.28 (1 set)	31.88 (8 sets)		41.24
	Duplex - Average	21.6	11.12	31.33		41.47
B&W mode (optional for color device)	Simplex - Adobe Reader	11.45	20.99 (1 set)	49.42 (9 sets)	58.75 (64 sets)	61.02
	Simplex - Word	10.88	22.07 (1 set)	50.55 (9 sets)		61.16
	Simplex - Excel	10.63	22.57 (1 set)	51.07 (9 sets)		61.24
	Simplex - Average	11.0	21.87	50.34	58.8	61.14
	Duplex - Adobe Reader	21.46	11.18 (1 set)	30.06 (7 sets)		41.58
	Duplex - Word	20.72	11.56 (1 set)	31.60 (7 sets)		41.58
	Duplex - Excel	20.71	11.58 (1 set)	31.32 (7 sets)		41.62
	Duplex - Average	21.0	11.44	30.99		41.59

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
TCPIP	TCPIP/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 PageWide Managed Color MFP P77960 Series

Printing device and settings		
Test Start Date and Time	5/1/2018 13:09	
Tester	AW	
Machine name/model	HP PageWide Managed Color MFP P77960 Series	
Colour or B&W	Colour	
FW Version	2406029_028982	
Temperature and Humidity	72 degF / 22 degC 24.1 %rH	
Voltage	110V	
Test End Date and Time	6/4/2018 13:03	

Item	Value	
Mode and Setting	Driver Version	6.5.0.22695
	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 Color Device		FSOT (seconds)	ESAT (ipm)
Color	Simplex	11.17	31.19
	Duplex	21.34	15.94
B&W	Simplex	16.00	31.17
	Duplex	24.14	15.94

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://w.w.w.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 only (1 set)	1 set + 30sec (# of sets)	1 set + 4min (# of sets)	
Color Mode	Simplex - Adobe Reader	17.53	13.70 (1 set)	24.48 (5 sets)	29.54 (33 sets)	31.18
	Simplex - Word	15.84	15.15 (1 set)	25.72 (5 sets)		31.19
	Simplex - Excel	15.42	15.56 (1 set)	25.50 (5 sets)		31.20
	Simplex - Average	16.27	14.80 (1 set)	25.23 (5 sets)	29.54	31.19
	Duplex - Adobe Reader	25.57	9.38 (1 set)	12.86 (3 sets)		15.94
	Duplex - Word	24.25	9.88 (1 set)	13.18 (3 sets)		15.94
	Duplex - Excel	23.80	10.08 (1 set)	13.26 (3 sets)		15.94
	Duplex - Average	24.54	9.78 (1 set)	13.10 (3 sets)		15.94
B&W mode (optional for color device)	Simplex - Adobe Reader	17.02	14.10 (1 set)	24.88 (5 sets)	29.40 (33 sets)	31.17
	Simplex - Word	15.63	15.35 (1 set)	25.86 (5 sets)		31.17
	Simplex - Excel	15.33	15.65 (1 set)	25.80 (5 sets)		31.18
	Simplex - Average	16.00	15.03 (1 set)	25.51 (5 sets)	29.40	31.17
	Duplex - Adobe Reader	25.03	9.58 (1 set)	12.82 (3 sets)		15.94
	Duplex - Word	23.57	10.18 (1 set)	13.38 (3 sets)		15.94
	Duplex - Excel	23.82	10.06 (1 set)	13.24 (3 sets)		15.94
	Duplex - Average	24.14	9.94 (1 set)	13.14 (3 sets)		15.94

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://w.w.w.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	Buillim
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 - A3

HP PageWide Managed Color MFP P77960 Series

Printing device and settings	
Test Start Date and Time	5/1/2018 13:09
Tester	AW
Machine name/model	HP PageWide Managed Color MFP P77960 Series
Colour or B&W	Colour
FW Version	2406029_028982
Temperature and Humidity	72 degF / 22 degC 24.1 %rH
Voltage	110V
Test End Date and Time	6/4/2018 13:03

Item	Value	
Mode and Setting	Driver Version	6.5.0.22695
	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: A3

Office Category Test for Color Device		FSOT (seconds)	ESAT (ipm)
Color	Simplex	11.17	31.18
	Duplex	21.34	16.04
B&W	Simplex	15.78	31.18
	Duplex	24.04	16.04

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	17.59	13.65 (1 set)	24.53 (5 sets)	29.56 (33 sets)	31.19
	Simplex - Word	15.43	15.55 (1 set)	25.76 (5 sets)		31.19
	Simplex - Excel	15.92	15.08 (1 set)	25.76 (5 sets)		31.18
	Simplex - Average	16.32	14.76 (1 set)	25.35 (5 sets)	29.56 (33 sets)	31.18
	Duplex - Adobe Reader	24.98	9.60 (1 set)	13.60 (4 sets)		16.04
	Duplex - Word	23.73	10.10 (1 set)	13.90 (4 sets)		16.04
	Duplex - Excel	23.66	10.12 (1 set)	13.82 (4 sets)		16.04
	Duplex - Average	24.13	9.94 (1 set)	13.77 (4 sets)		16.04
B&W mode (optional for color device)	Simplex - Adobe Reader	16.46	14.58 (1 set)	24.95 (5 sets)	29.78 (33 sets)	31.18
	Simplex - Word	15.40	15.59 (1 set)	25.65 (5 sets)		31.18
	Simplex - Excel	15.47	15.51 (1 set)	25.34 (5 sets)		31.19
	Simplex - Average	15.78	15.22 (1 set)	25.31 (5 sets)	29.78 (33 sets)	31.18
	Duplex - Adobe Reader	24.57	9.76 (1 set)	13.68 (4 sets)		16.04
	Duplex - Word	23.75	10.10 (1 set)	14.02 (4 sets)		16.04
	Duplex - Excel	23.80	10.08 (1 set)	14.00 (4 sets)		16.04
	Duplex - Average	24.04	9.98 (1 set)	13.90 (4 sets)		16.04

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	Buillim
USB Subsystem	USB 2.0/3.0
TCPIP	TCPIP/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 PageWide Managed Color MFP P77960 Series

Printing device and settings		
Test Start Date and Time	5/1/2018 13:09	
Tester	AW	
Machine name/model	HP PageWide Managed Color MFP P77960 Series	
Colour or B&W	Colour	
FW Version	2406029_028982	
Temperature and Humidity	72 degF / 22 degC 24.1 %rH	
Voltage	110V	
Test End Date and Time	6/4/2018 13:03	

Item	Value	
Mode and Setting	Driver Version	6.5.0.22695
	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

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	102%	99%
A5, Portrait Feed, Simplex, Colour	Simplex		
Legal, Simplex, Colour	Simplex	76%	61%
Legal, Duplex, Colour	Duplex	53%	48%
A4, 1200 dpi, Simplex, Colour	Simplex		
Letter, 1200 dpi, Simplex, Colour	Simplex		
A4, General Office, Simplex, Colour	Simplex	129%	134%
Letter, General Office, Simplex, Colour	Simplex	129%	133%
A5, Landscape Feed, Simplex, B/W	Simplex	104%	100%
A5, Portrait Feed, Simplex, B/W	Simplex		
Legal, Simplex, B/W	Simplex	75%	61%
Legal, Duplex, B/W	Duplex	54%	47%
A4, 1200 dpi, Simplex, B/W	Simplex		
Letter, 1200 dpi, Simplex, B/W	Simplex		
A4, General Office, Simplex, B/W	Simplex	127%	135%
Letter, General Office, Simplex, B/W	Simplex	129%	135%

- 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://w.w.w.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	15.8	61.26	15.5	61.2	102%	99%
A5, Portrait Feed, Simplex, Colour	15.8	61.26				
Legal, Simplex, Colour	15.68	60.9	20.87	37.4	76%	61%
Legal, Duplex, Colour	15.68	60.9	30	29.3	53%	48%
A4, 1200 dpi, Simplex, Colour	15.8	61.26				
Letter, 1200 dpi, Simplex, Colour	15.68	60.9				
A4, General Office, Simplex, Colour	15.8	61.26	12.3	82.7	129%	134%
Letter, General Office, Simplex, Colour	15.68	60.9	12.23	81.6	129%	133%
A5, Landscape Feed, Simplex, B/W	15.7	60.92	15.16	61.1	104%	100%
A5, Portrait Feed, Simplex, B/W	15.7	60.92				
Legal, Simplex, B/W	15.61	60.98	20.85	37.4	75%	61%
Legal, Duplex, B/W	15.61	60.98	29.28	29.0	54%	47%
A4, 1200 dpi, Simplex, B/W	15.7	60.92				
Letter, 1200 dpi, Simplex, B/W	15.61	60.98				
A4, General Office, Simplex, B/W	15.7	60.92	12.45	82.6	127%	135%
Letter, General Office, Simplex, B/W	15.61	60.98	12.16	82.3	129%	135%

- 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://w.w.w.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 DH16aC5HR ATA
	I/O Subsystem	Builtin
	USB Subsystem	USB 2.0/3.0
I/O	TCP/IP	TCP/IP 10/1000
Software	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 17629 First Print Out Time Report: Office Category

Full Detailed Test Report - LETTER

HP PageWide Managed Color MFP P77960 Series

Printing device and settings		
Test Start Date and Time	5/1/2018 13:09	
Tester	AW	
Machine name/model	HP PageWide Managed Color MFP P77960 Series	
Colour or B&W	Colour	
FW Version	2406029_028982	
Configuration (options)	Default	
Controller	unknown	
Printing device page count	Not Specified	
Printing supplies page count	Not Specified	
Temperature and Humidity	72 degF / 22 degC 24.1 %rH	
Voltage	110V	
Test End Date and Time	6/4/2018 13:03	

Item	Value
Mode and Setting	PDL and driver version 6.5.0.22695
	Print Quality mode default
	B&W settings default
	Paper feed orientation Short Edge
Paper	Paper type setting default
	Paper feeding Standard cassette
	Paper exit Standard exit tray
Paper Path	Output orientation default (face up or face down)

ISO First Page Out Time Summary Report: Office Category

Summary Report: Letter		
FPOT from Ready (seconds)		
Color	Simplex	6.58
	Duplex	
B&W	Simplex	6.33
	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	6.19	6.40	7.14	6.58	29 Seconds
	FPOT from Ready - Duplex					
	FPOT from Sleep - Simplex			20.14		76 Minutes
	Recovery Time			13.0		
	FPOT from Off - Simplex			242.78		
	Warm-up Time			235.65		
B&W Mode	FPOT from Ready - Simplex	6.04	6.31	6.62	6.33	29 Seconds
	FPOT from Ready - Duplex					
	FPOT from Sleep - Simplex			19.92		76 Minutes
	Recovery Time			13.3		
	FPOT from Off - Simplex			236.90		
	Warm-up Time			230.28		

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	20.14	20.29	19.99	N/A	Adobe Reader	76 Minutes
	FPOT from Sleep (15 minutes) HP/Non ISO Test	9.75	9.72	9.77	N/A	Adobe Reader	15 Minutes
B&W Mode	FPOT from Sleep	19.92	19.82	20.02	N/A	Adobe Reader	76 Minutes
	FPOT from Sleep (15 minutes) HP/Non ISO Test	9.73	9.67	9.79	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	10/1000
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	6.5.0.22695

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

Full Detailed Test Report - A4

HP PageWide Managed Color MFP P77960 Series

Printing device and settings	
Test Start Date and Time	5/1/2018 13:09
Tester	AW
Machine name/model	HP PageWide Managed Color MFP P77960 Series
Colour or B&W	Colour
FW Version	2406029_028982
Configuration (options)	Default
Controller	unknown
Printing device page count	Not Specified
Printing supplies page count	Not Specified
Temperature and Humidity	72 degF / 22 degC 24.1 %rH
Voltage	110V
Test End Date and Time	6/4/2018 13:03

Item	Value
Mode and Setting	PDL and driver version 6.5.0.22695
	Print Quality mode default
	B&W settings default
	Paper feed orientation Short Edge
Paper	Paper type setting default
	Paper feeding Standard cassette
	Paper exit Standard exit tray
Paper Path	Output orientation default (face up or face down)

ISO First Page Out Time Summary Report: Office Category

Summary Report: A4		FPOT from Ready (seconds)
Colour	Simplex	6.73
	Duplex	
B&W	Simplex	6.47
	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
Color Mode	FPOT from Ready - Simplex	6.53	6.51	7.15	6.73	29 Seconds
	FPOT from Ready - Duplex					
	FPOT from Sleep - Simplex			19.86		76 Minutes
	Recovery Time			12.7		
	FPOT from Off - Simplex			247.84		
	Warm-up Time			240.69		
B&W Mode	FPOT from Ready - Simplex	6.35	6.33	6.73	6.47	29 Seconds
	FPOT from Ready - Duplex					
	FPOT from Sleep - Simplex			20.14		76 Minutes
	Recovery Time			13.4		
	FPOT from Off - Simplex			247.77		
	Warm-up Time			241.05		

- 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
Color Mode	FPOT from Sleep	19.86	20.27	19.45	N/A	Adobe Reader	76 Minutes
	FPOT from Sleep (15 minutes)	9.23	9.16	9.30	N/A	Adobe Reader	15 Minutes
	HP/Non ISO Test						
B&W Mode	FPOT from Sleep	20.14	20.54	19.73	N/A	Adobe Reader	76 Minutes
	FPOT from Sleep (15 minutes)	9.39	9.73	9.05	N/A	Adobe Reader	15 Minutes
	HP/Non ISO Test						

- 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 DH16aCSHR ATA
	I/O Subsystem	Builtin
	USB Subsystem	USB 2.0/3.0
Printing Device Connection	TCP/IP 10/1000	
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	6.5.0.22695

ISO/IEC 29183 Copy Productivity Report

Full Detailed Test Report - LETTER

HP PageWide Managed Color MFP P77960 Series

Machine Setup Information	
Test Start Date and Time	5/1/2018 17:52
Tester	AW
Machine name/model	HP PageWide Managed Color MFP P77960 Series
Colour or B&W	Colour
FW Version	2406029_028982
Configuration (options)	Not Specified
Temperature and Humidity	72 degF / 22 degC 24.1 %rH
Test End Date and Time:	5/30/2018 14:45

	Pre-set Item	Pre-set Value
Mode	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
Paper	Paper Sending Direction	Default
	Paper Type Setting	Default
Paper Path	Paper Feeding	Tray 2
	Paper Exit	Default
	Face Up Exit	Default (face down)
Temporary Stop	Fixing Capability	Default
	Image Quality Stability	Default
	Capacity of Paper	Default
	Others	None
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: Letter		
	sFCOT	sESAT (ipm)
Color	9.30	61.09
B&W	7.67	61.08

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: LETTER						
	Target	sFCOT (secs)	sEFTP (ipm)			sESAT (ipm)
			1copy	1copy+30sec	1copy+4minutes	
Color	A	9.30	6.45	45.62 33 sets	58.14 254 sets	61.09
	B					
	C					
	D					
	Average	9.30	6.45	45.62	58.14	61.09
B&W	A	7.67	7.83	46.42 33 sets	58.53 257 sets	61.08
	B					
	C					
	D					
	Average	7.67	7.83	46.42	58.53	61.08

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 PageWide Managed Color MFP P77960 Series

Machine Setup Information	
Test Start Date and Time	5/1/2018 17:52
Tester	AW
Machine name/model	HP PageWide Managed Color MFP P77960 Series
Colour or B&W	Colour
FW Version	2406029_028982
Configuration (options)	Not Specified
Temperature and Humidity	72 degF / 22 degC 24.1 %rH
Test End Date and Time:	5/30/2018 14:45

	Pre-set Item	Pre-set Value
Mode	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
Paper	Paper Sending Direction	Default
	Paper Type Setting	Default
Paper Path	Paper Feeding	Tray 2
	Paper Exit	Default
	Face Up Exit	Default (face down)
Temporary Stop	Fixing Capability	Default
	Image Quality Stability	Default
	Capacity of Paper	Default
	Others	None
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		
	sFCOT	sESAT (ipm)
Colour	9.27	61.21
B&W	8.07	61.23

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: A4						
	Target	sFCOT (secs)	sEFTP (ipm)			sESAT (ipm)
			1copy	1copy+30sec	1copy+4minutes	
Colour	A	9.27	6.47	46.00 32 sets	58.45 245 sets	61.21
	B					
	C					
	D					
	Average	9.27	6.47	46.00	58.45	61.21
B&W	A	8.07	7.44	47.12 35 sets	58.31 245 sets	61.23
	B					
	C					
	D					
	Average	8.07	7.44	47.12	58.31	61.23

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 17991 Scanning Productivity Report

Full Detailed Test Report - LETTER

Machine Setup Information	
Test Start Date and Time	5/24/2018 17:21
Tester	AW
Machine name/model	HP PageWide Managed Color MFP P77960 Series
Colour or B&W	Colour
Configuration (options)	Default
Temperature and Humidity	72 degF / 22 degC 24.1 %rH
Voltage	110V
Test End Date and Time	5/29/2018 11:25

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	PDF 1.4	200	single sided	66.91
			double sided	123.30
B&W	PDF 1.4	200	single sided	67.59
			double sided	135.18

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".

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	PDF 1.4	200	single sided	48.48	3.64	10.00
			double sided	75.78	6.57	18.00
B&W	PDF 1.4	200	single sided	50.57	1.79	10.00
			double sided	69.61	3.47	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: Letter

	Scanning Mode			Measurement result		
	File format version	Resolution	Scanning side	scEFTP 1setA (ipm)	scEFTP 30secA (ipm)	scESAT 30secA (ipm)
Colour	PDF 1.4	200	single sided	34.55	61.41	66.91
			double sided	44.22	112.24	123.3
B&W	PDF 1.4	200	single sided	34.63	61.35	67.59
			double sided	43.23	120.26	135.18

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".

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	PDF 1.4	200	single sided	19.23	48.48	3.64	10
			double sided	21.80	75.78	6.57	18
B&W	PDF 1.4	200	single sided	19.23	50.57	1.79	10
			double sided	22.90	69.61	3.47	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
	Connection 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	5/24/2018 17:21
Tester	AW
Machine name/model	HP PageWide Managed Color MFP P77960 Series
Colour or B&W	Colour
Configuration (options)	Default
Temperature and Humidity	72 degF / 22 degC 24.1 %rH
Voltage	110V
Test End Date and Time	5/29/2018 11:25

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: A4

	Scanning Mode			Measurement result
	File format version	Resolution	Scanning side	scESAT 30secA (ipm)
Colour	PDF 1.4	200	single sided	66.11
			double sided	127.96
B&W	PDF 1.4	200	single sided	67.12
			double sided	131.32

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: A4

	Scanning Mode			Measurement result		
	File format version	Resolution	Scanning side	scEFTP 30secF (ipm)	File size 30secF (Mbyte)	Number of Sets (30secF)
Colour	PDF 1.4	200	single sided	49.34	3.69	11.00
			double sided	78.04	6.46	20.00
B&W	PDF 1.4	200	single sided	52.28	1.91	11.00
			double sided	70.14	3.13	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: A4

	Scanning Mode			Measurement result		
	File format version	Resolution	Scanning side	scEFTP 1setA (ipm)	scEFTP 30secA (ipm)	scESAT 30secA (ipm)
Colour	PDF 1.4	200	single sided	34.36	61.22	66.11
			double sided	44.27	115.72	127.96
B&W	PDF 1.4	200	single sided	34.02	61.84	67.12
			double sided	44.76	118.41	131.32

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: 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	PDF 1.4	200	single sided	20.00	49.34	3.69	11
			double sided	21.80	78.04	6.46	20
B&W	PDF 1.4	200	single sided	20.90	52.28	1.91	11
			double sided	21.80	70.14	3.13	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
	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	5/24/2018 17:21
Tester	AW
Machine name/model	HP PageWide Managed Color MFP P77960 Series
Colour or B&W	Colour
Configuration (options)	Default
Temperature and Humidity	72 degF / 22 degC 24.1 %rH
Voltage	110V
Test End Date and Time	5/29/2018 11:25

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	PDF 1.4	200	single sided	38.12
			double sided	68.56
B&W	PDF 1.4	200	single sided	37.84
			double sided	75.18

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".

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	PDF 1.4	200	single sided	27.16	4.18	6.00
			double sided	43.23	6.34	10.00
B&W	PDF 1.4	200	single sided	28.51	2.23	6.00
			double sided	38.54	3.68	11.00

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	PDF 1.4	200	single sided	24.70	34.94	38.12
			double sided	34.28	61.19	68.56
B&W	PDF 1.4	200	single sided	24.61	34.84	37.84
			double sided	35.12	68.46	75.18

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".

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	PDF 1.4	200	single sided	15.50	27.16	4.18	6
			double sided	20.00	43.23	6.34	10
B&W	PDF 1.4	200	single sided	15.00	28.51	2.23	6
			double sided	18.46	38.54	3.68	11

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
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 - A3

Machine Setup Information		
Test Start Date and Time	5/24/2018 17:21	
Tester	AW	
Machine name/model	HP PageWide Managed Color MFP P77960 Series	
Colour or B&W	Colour	
Configuration (options)	Default	
Temperature and Humidity	72 degF / 22 degC 24.1 %rH	
Voltage	110V	
Test End Date and Time	5/29/2018 11:25	

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: A3

	Scanning Mode			Measurement result
	File format version	Resolution	Scanning side	scESAT 30secA (ipm)
Colour	PDF 1.4	200	single sided	39.18
			double sided	69.55
B&W	PDF 1.4	200	single sided	39.13
			double sided	77.49

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	PDF 1.4	200	single sided	27.69	4.20	6.00
			double sided	44.00	6.90	11.00
B&W	PDF 1.4	200	single sided	29.38	2.19	6.00
			double sided	37.70	3.62	11.00

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	PDF 1.4	200	single sided	25.26	35.98	39.18
			double sided	31.21	63.73	69.55
B&W	PDF 1.4	200	single sided	25.02	35.96	39.13
			double sided	36.27	70.19	77.49

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	PDF 1.4	200	single sided	16.00	27.69	4.20	6
			double sided	17.80	44.00	6.90	11
B&W	PDF 1.4	200	single sided	14.55	29.38	2.19	6
			double sided	19.23	37.70	3.62	11

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	