Full detailed report

(ISO/IEC 17629)

Model

Printing device and test setting

Test Start Date and Time	2019/3/20 . 14:50
Tester	H.Nakata
Color or B/W	Color Printing device
Configuration (Option)	Option wasn't used.
Temperature and Humidity	24.2℃ / 23.5 %
Voltage	Within Rating voltage
Test End Date and Time	2019/3/25 . 10:45

Modes and Settings	Print Quality mode	Default
	B&W settings	Activated (Driver, select"Grayscale")
Paper	Paper sending direction	short edge
	Paper type setting	Default
Paper path	Paper feeding	Rear paper input
	Paper exit	Output tray
	Output orientation	Default (face up)
	Duplexing unit	N/A

Paper	Manufacturer	Fuji Xerox
	Weight	64g/m2
	Size	A4
	Paper type/Name	PPC/V602

Test system parameters

Test system	Computer	EPSON Direct Endeavor MR7400
	Processor	Intel ® Core™ i7-6700K(4GHz)
	System Chip Set	Intel ® H170 Chip Set
	System Board	Pegatron:IPMSK-MI BIOS :AP5U-0032-GW2
	System Memory	8.0GB(4.0GB×2) PC4-2133 DDR4 SDRAM
	Hard Drive and Subsystem	Seagate:ST500DM002 500GB SATA 600MB/s 7200rpm ×2
	Video system	NVIDIA® Quadro® K2200 4GB
	Optical Drive	PLDS:DH-16D8SH DVD-ROM Drive SATA
	I/O Subsystem	USB keyboard and mouse
	USB Subsystem	System board USB controller , USB3.0
Software	Operating System	Microsoft Windows 10 Pro 64bit
	Printing Application	Adobe acrobat Reader11
		Microsoft Office Excel2016
		Microsoft Office Word2016
	Print Driver	Ver.3.00.00
	Test Files Location	Office Category files, hard drive
Printing Device Connection	USB	USB 2.0 Keyboard and mouse were connected.

Application setting deviations from default.

Changing from default.	Excel and Word	"Scale Content for A4 or 8.5 x 11" Paper size" set to off.
	Adobe Reader	"Paper Scaling" set to "None".

Summary Report

		Ready FPOT (sec)
Color	Simplex Average	19.88
	Duplex Average	N/A
B&W mode	Simplex Average	13.26
	Duplex Average	N/A

Notes

・All printing device and print driver setting were default mode.

・For the B&W result, the print driver was set to"Grayscale"

Full Report

			PDF (sec)	Word (sec)	Excel (sec)	Average (sec)	Delay Time
Color	Simplex	Ready FPOT	21.66	15.18	22.78	19.88	50sec
		Sleep FPOT	23.89				13min
		Recovery Time	2.23				
		OFF FPOT	42.06				
		Warm-up Time	20.40				
	Duplex	Ready FPOT	N/A	N/A	N/A	N/A	N/A
B&W mode	Simplex	Ready FPOT	12.91	12.92	13.95	13.26	50sec
		Sleep FPOT	15.30				13min
		Recovery Time	2.39				
		OFF FPOT	32.85				
		Warmup Time	19.94				
	Duplex	Ready FPOT	N/A	N/A	N/A	N/A	N/A

Notes

・All printing device and print driver setting were default mode.

・For the B&W result, the print driver was set to"Grayscale"

・Annex F used to determine delay time for FPOT from Ready.

・Sleep FPOT Additional Wait Time is defined as 10 minutes for following reasons.

- It is an inkjet printer.
- Recovery Time does not depend on the elapsed time after transition to Sleep.

Full detailed report

(ISO/IEC 17629)

Model

Printing device and test setting

Test Start Date and Time	2019/3/20 . 8:30
Tester	H.Nakata
Color or B/W	Color Printing device
Configuration (Option)	Option wasn't used.
Temperature and Humidity	24.2℃ / 23.5 %
Voltage	Within Rating voltage
Test End Date and Time	2019/3/20 . 14:35

Modes and Settings	Print Quality mode	Default
	B&W settings	Activated (Driver, select"Grayscale")
Paper	Paper sending direction	short edge
	Paper type setting	Default
Paper path	Paper feeding	Rear paper input
	Paper exit	Output tray
	Output orientation	Default (face up)
	Duplexing unit	N/A

Paper	Manufacturer	Fuji Xerox
	Weight	64g/m2
	Size	Letter
	Paper type/Name	PPC/V604

Test system parameters

Test system	Computer	EPSON Direct Endeavor MR7400
	Processor	Intel ® Core™ i7-6700K(4GHz)
	System Chip Set	Intel ® H170 Chip Set
	System Board	Pegatron:IPMSK-MI BIOS :AP5U-0032-GW2
	System Memory	8.0GB(4.0GB×2) PC4-2133 DDR4 SDRAM
	Hard Drive and Subsystem	Seagate:ST500DM002 500GB SATA 600MB/s 7200rpm ×2
	Video system	NVIDIA® Quadro® K2200 4GB
	Optical Drive	PLDS:DH-16D8SH DVD-ROM Drive SATA
	I/O Subsystem	USB keyboard and mouse
	USB Subsystem	System board USB controller , USB3.0
Software	Operating System	Microsoft Windows 10 Pro 64bit
	Printing Application	Adobe acrobat Reader11
		Microsoft Office Excel2016
		Microsoft Office Word2016
	Print Driver	Ver.3.00.00
	Test Files Location	Office Category files, hard drive
Printing Device Connection	USB	USB 2.0 Keyboard and mouse were connected.

Application setting deviations from default.

Changing from default.	Excel and Word	"Scale Content for A4 or 8.5 x 11" Paper size" set to off.
	Adobe Reader	"Paper Scaling" set to "None".

Summary Report

		Ready FPOT (sec)
Color	Simplex Average	20.55
	Duplex Average	N/A
B&W mode	Simplex Average	13.60
	Duplex Average	N/A

Notes
・All printing device and print driver setting were default mode.
・For the B&W result, the print driver was set to"Grayscale"

Full Report

			PDF (sec)	Word (sec)	Excel (sec)	Average (sec)	Delay Time
Color	Simplex	Ready FPOT	22.56	15.53	23.54	20.55	50sec
		Sleep FPOT	24.82				13min
		Recovery Time	2.26				
		OFF FPOT	42.88				
		Warm-up Time	20.32				
	Duplex	Ready FPOT	N/A	N/A	N/A	N/A	N/A
B&W mode	Simplex	Ready FPOT	13.10	13.27	14.43	13.60	50sec
		Sleep FPOT	15.56				13min
		Recovery Time	2.46				
		OFF FPOT	32.79				
		Warmup Time	19.69				
	Duplex	Ready FPOT	N/A	N/A	N/A	N/A	N/A

Notes
・All printing device and print driver setting were default mode.
・For the B&W result, the print driver was set to"Grayscale"
・Annex F used to determine delay time for FPOT from Ready.
・Sleep FPOT Additional Wait Time is defined as 10 minutes for following reasons.
- It is an inkjet printer.
- Recovery Time does not depend on the elapsed time after transition to Sleep.

Confidential 2

Full detailed report

(ISO/IEC 24734 Office Category Test)

Model

Printing device and test setting

Test Start Date and Time	2019/3/19 . 8:15
Tester	H.Nakata
Color or B/W	Color Printing device
Configuration (Option)	Option wasn't used.
Temperature and Humidity	24.0℃ / 22.4 %
Voltage	Within Rating voltage
Test End Date and Time	2019/3/19 . 11:55

Modes and Settings	Print Quality mode	Default
	B&W settings	Activated (Driver, select"Grayscale")
	Setting N set count	Activated (Application, select "count up" or "count down")
	Collating function	Activated (Application, select "collate")
Paper	Paper sending direction	Default
	Paper type setting	Default
Paper path	Paper feeding	Rear paper input
	Paper exit	Output tray
	Output orientation	Default (face up)
	Duplexing unit	N/A

Paper	Manufacturer	Fuji Xerox
	Weight	64g/m2
	Size	A4
	Paper type/Name	PPC/V602

Test system parameters

Test system	Computer	EPSON Direct Endeavor MR7400
	Processor	Intel ® Core™ i7-6700K(4GHz)
	System Chip Set	Intel ® H170 Chip Set
	System Board	Pegatron:IPMSK-MI BIOS :AP5U-0032-GW2
	System Memory	8.0GB(4.0GB × 2) PC4-2133 DDR4 SDRAM
	Hard Drive and Subsystem	Seagate:ST500DM002 500GB SATA 600MB/s 7200rpm × 2
	Video system	NVIDIA® Quadro® K2200 4GB
	Optical Drive	PLDS:DH-16D8SH DVD-ROM Drive SATA
	I/O Subsystem	USB keyboard and mouse
	USB Subsystem	System board USB controller , USB3.0
Software	Operating System	Microsoft Windows 10 Pro 64bit
	Printing Application	Adobe acrobat Reader11
		Microsoft Office Excel2016
		Microsoft Office Word2016
	Print Driver	Ver.3.00.00
	Test Files Location	Office Category files, hard drive
Printing Device Connection	USB	USB 2.0 Keyboard and mouse were connected.

Application setting deviations from default.

Changing from default.	Excel and Word	"Scale Content for A4 or 8.5 x 11" Paper size" set to off.
	Adobe Reader	"Paper Scaling" set to "None".

Summary Report

Office Category Test		FSOT [seconds]	ESAT [ppm/ipm]
Color (Default)	Simplex Average	67.68	4.09
	Duplex Average	N/A	N/A
B&W mode	Simplex Average	37.68	7.17
	Duplex Average	N/A	N/A

Notes
・All printing device and print driver setting were default mode.
・For the B&W result, the print driver was set to"Grayscale"

Full Report

Office Category Test			FSOT [seconds]	EFTP [ppm/ipm] 1set test	EFTP [ppm/ipm] 1set+30 seconds (# sets)	EFTP [ppm/ipm] 1 set+4 minutes (# sets)	ESAT [ppm/ipm]
Color (Default)	Simplex	PDF	74.40	3.22	3.30 (2 set)	3.34 (5 set)	3.41
		Word	44.26				5.90
		Excel	84.36				2.96
		Average	67.68				4.09
	Duplex	PDF	N/A	N/A	N/A N/A		N/A
		Word	N/A				N/A
		Excel	N/A				N/A
		Average	N/A				N/A

Office Category Test			FSOT [seconds]	EFTP [ppm/ipm] 1set test	EFTP [ppm/ipm] 1set+30 seconds (# sets)	EFTP [ppm/ipm] 1 set+4 minutes (# sets)	ESAT [ppm/ipm]
B&W mode	Simplex	PDF	38.47	6.23	6.52 (2 set)	6.72 (8 set)	6.92
		Word	32.93				8.23
		Excel	41.63				6.36
		Average	37.68				7.17
	Duplex	PDF	N/A	N/A	N/A N/A		N/A
		Word	N/A				N/A
		Excel	N/A				N/A
		Average	N/A				N/A

Notes
・All printing device and print driver setting were default mode.
・For the B&W result, the print driver was set to"Grayscale"

Full detailed report

(ISO/IEC 24734 Office Category Test)

Model

Printing device and test setting

Test Start Date and Time	2019/3/19 . 12:10
Tester	H.Nakata
Color or B/W	Color Printing device
Configuration (Option)	Option wasn't used.
Temperature and Humidity	24.0℃ / 22.4 %
Voltage	Within Rating voltage
Test End Date and Time	2019/3/20 . 8:50

Modes and Settings	Print Quality mode	Default
	B&W settings	Activated (Driver, select"Grayscale")
	Setting N set count	Activated (Application, select "count up" or "count down")
	Collating function	Activated (Application, select "collate")
Paper	Paper sending direction	Default
	Paper type setting	Default
Paper path	Paper feeding	Rear paper input
	Paper exit	Output tray
	Output orientation	Default (face up)
	Duplexing unit	N/A

Paper	Manufacturer	Fuji Xerox
	Weight	64g/m2
	Size	Letter
	Paper type/Name	PPC/V604

Test system parameters

Test system	Computer	EPSON Direct Endeavor MR7400
	Processor	Intel ® Core™ i7-6700K(4GHz)
	System Chip Set	Intel ® H170 Chip Set
	System Board	Pegatron:IPMSK-MI BIOS :AP5U-0032-GW2
	System Memory	8.0GB(4.0GB × 2) PC4-2133 DDR4 SDRAM
	Hard Drive and Subsystem	Seagate:ST500DM002 500GB SATA 600MB/s 7200rpm × 2
	Video system	NVIDIA® Quadro® K2200 4GB
	Optical Drive	PLDS:DH-16D8SH DVD-ROM Drive SATA
	I/O Subsystem	USB keyboard and mouse
	USB Subsystem	System board USB controller , USB3.0
Software	Operating System	Microsoft Windows 10 Pro 64bit
	Printing Application	Adobe acrobat Reader11
		Microsoft Office Excel2016
		Microsoft Office Word2016
	Print Driver	Ver.3.00.00
	Test Files Location	Office Category files, hard drive
Printing Device Connection	USB	USB 2.0 Keyboard and mouse were connected.

Application setting deviations from default.

Changing from default.	Excel and Word	"Scale Content for A4 or 8.5 x 11" Paper size" set to off.
	Adobe Reader	"Paper Scaling" set to "None".

Summary Report

Office Category Test		FSOT [seconds]	ESAT [ppm/ipm]
Color (Default)	Simplex Average	71.67	3.95
	Duplex Average	N/A	N/A
B&W mode	Simplex Average	40.14	6.81
	Duplex Average	N/A	N/A

Notes
・All printing device and print driver setting were default mode.
・For the B&W result, the print driver was set to"Grayscale"

Full Report

Office Category Test			FSOT [seconds]	EFTP [ppm/ipm] 1set test	EFTP [ppm/ipm] 1set+30 seconds (# sets)	EFTP [ppm/ipm] 1 set+4 minutes (# sets)	ESAT [ppm/ipm]
Color (Default)	Simplex	PDF	77.52	3.09	3.15 (2 set)	3.18 (5 set)	3.25
		Word	46.88				5.81
		Excel	90.59				2.81
		Average	71.67				3.95
	Duplex	PDF	N/A	N/A	N/A N/A		N/A
		Word	N/A				N/A
		Excel	N/A				N/A
		Average	N/A				N/A

Office Category Test			FSOT [seconds]	EFTP [ppm/ipm] 1set test	EFTP [ppm/ipm] 1set+30 seconds (# sets)	EFTP [ppm/ipm] 1 set+4 minutes (# sets)	ESAT [ppm/ipm]
B&W mode	Simplex	PDF	40.29	5.95	6.20 (2 set)	6.39 (8 set)	6.56
		Word	34.01				7.95
		Excel	46.10				5.92
		Average	40.14				6.81
	Duplex	PDF	N/A	N/A	N/A N/A		N/A
		Word	N/A				N/A
		Excel	N/A				N/A
		Average	N/A				N/A

Notes
・All printing device and print driver setting were default mode.
・For the B&W result, the print driver was set to"Grayscale"