Full detailed report

(ISO/IEC 17629)

Model

Printing device and test setting

Test Start Date and Time	2020/7/9 . 16:25
Tester	T.Hirasawa
Color or B/W	Color Printing device
Configuration (Option)	Option wasn't used.
Temperature and Humidity	23.4℃ / 67.9 %
Voltage	Within Rating voltage
Test End Date and Time	2020/8/24 . 17:00

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	Front paper input
	Paper exit	Output tray
	Output orientation	Default (Face down)
	Duplexing unit	Default

Paper	Manufacturer	Fuji Xerox
	Weight	64g/m2
	Size	A4
	Paper type/Name	PPC/GAAA6395

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	10.49
	Duplex Average	21.23
B&W mode	Simplex Average	6.65
	Duplex Average	14.86

Notes

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

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

・For the duplex result, the print driver was set to "Auto(Long-edge binding)" in "2-sided printing"

Full Report

			PDF (sec)	Word (sec)	Excel (sec)	Average (sec)	Delay Time
Color	Simplex	Ready FPOT	11.03	8.40	12.02	10.49	50sec
		Sleep FPOT	12.59				23min
		Recovery Time	1.56				
		OFF FPOT	22.21				
		Warm-up Time	11.18				
	Duplex	Ready FPOT	20.77	17.33	25.58	21.23	50sec
B&W mode	Simplex	Ready FPOT	6.61	6.39	6.95	6.65	50sec
		Sleep FPOT	8.15				23min
		Recovery Time	1.54				
		OFF FPOT	17.63				
		Warmup Time	11.02				
	Duplex	Ready FPOT	14.86	14.32	15.40	14.86	50sec

Notes

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

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

・For the duplex result, the print driver was set to "Auto(Long-edge binding)" in "2-sided printing"

・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	2020/7/10 . 11:00
Tester	T.Hirasawa
Color or B/W	Color Printing device
Configuration (Option)	Option wasn't used.
Temperature and Humidity	23.4℃ / 68.8 %
Voltage	Within Rating voltage
Test End Date and Time	2020/8/26 . 7:35

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	Front paper input
	Paper exit	Output tray
	Output orientation	Default (Face down)
	Duplexing unit	Default

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	10.40
	Duplex Average	21.93
B&W mode	Simplex Average	6.71
	Duplex Average	14.97

Notes

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

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

・For the duplex result, the print driver was set to "Auto(Long-edge binding)" in "2-sided printing"

Full Report

			PDF (sec)	Word (sec)	Excel (sec)	Average (sec)	Delay Time
Color	Simplex	Ready FPOT	11.10	8.14	11.96	10.40	50sec
		Sleep FPOT	12.52				23min
		Recovery Time	1.42				
		OFF FPOT	22.13				
		Warm-up Time	11.03				
	Duplex	Ready FPOT	21.75	17.85	26.19	21.93	50sec
B&W mode	Simplex	Ready FPOT	6.89	6.27	6.97	6.71	50sec
		Sleep FPOT	8.06				23min
		Recovery Time	1.17				
		OFF FPOT	17.84				
		Warmup Time	10.95				
	Duplex	Ready FPOT	15.29	14.30	15.32	14.97	50sec

Notes

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

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

・For the duplex result, the print driver was set to "Auto(Long-edge binding)" in "2-sided printing"

・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 24734 Office Category Test)

Model

Printing device and test setting

Test Start Date and Time	2020/5/19 . 14:00
Tester	S.Marumo
Color or B/W	Color Printing device
Configuration (Option)	Option wasn't used.
Temperature and Humidity	22.5℃ / 56.8 %
Voltage	Within Rating voltage
Test End Date and Time	2020/8/21 . 15:30

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	Fornt paper input
	Paper exit	Output tray
	Output orientation	Default (Face down)
	Duplexing unit	Default

Paper	Manufacturer	Fuji Xerox
	Weight	64g/m2
	Size	A4
	Paper type/Name	PPC/GAAA6395

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	31.62	10.14
	Duplex Average	44.83	5.74
B&W mode	Simplex Average	17.34	17.54
	Duplex Average	30.15	8.24

Notes
・All printing device and print driver setting were default mode.
・For the B&W result, the print driver was set to"Grayscale"
・For the duplex result, the print driver was set to "Auto(Long-edge binding)" in "2-sided printing"

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	34.73	6.90	7.47 (3 set)	7.68 (9 set)	8.17
		Word	20.96				14.79
		Excel	39.15				7.46
		Average	31.62				10.14
	Duplex	PDF	48.12	4.98	5.01 (2 set)		5.06
		Word	33.48				7.55
		Excel	52.88				4.63
		Average	44.83				5.74
B&W mode	Simplex	PDF	17.86	13.43	15.63 (4 set)	16.22 (18 set)	16.78
		Word	15.05				20.64
		Excel	19.10				15.20
		Average	17.34				17.54
	Duplex	PDF	31.14	7.70	8.08 (3 set)		8.14
		Word	27.36				9.01
		Excel	31.94				7.59
		Average	30.15				8.24

Notes
・All printing device and print driver setting were default mode.
・For the B&W result, the print driver was set to"Grayscale"
・For the duplex result, the print driver was set to "Auto(Long-edge binding)" in "2-sided printing"

Full detailed report

(ISO/IEC 24734 Office Category Test)

Model

Printing device and test setting

Test Start Date and Time	2020/5/20 . 10:15
Tester	S.Marumo
Color or B/W	Color Printing device
Configuration (Option)	Option wasn't used.
Temperature and Humidity	22.0℃ / 53.6 %
Voltage	Within Rating voltage
Test End Date and Time	2020/8/24 . 11:05

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	Fornt paper input
	Paper exit	Output tray
	Output orientation	Default (Face down)
	Duplexing unit	Default

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	31.48	10.24
	Duplex Average	45.81	5.55
B&W mode	Simplex Average	17.11	17.84
	Duplex Average	30.04	8.38

Notes
・All printing device and print driver setting were default mode.
・For the B&W result, the print driver was set to"Grayscale"
・For the duplex result, the print driver was set to "Auto(Long-edge binding)" in "2-sided printing"

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	34.28	6.99	7.53 (3 set)	7.73 (9 set)	8.26
		Word	20.86				14.93
		Excel	39.29				7.55
		Average	31.48				10.24
	Duplex	PDF	48.55	4.93	4.98 (2 set)		5.06
		Word	34.87				7.01
		Excel	54.01				4.58
		Average	45.81				5.55
B&W mode	Simplex	PDF	17.61	13.63	15.71 (4 set)	16.31 (18 set)	16.86
		Word	14.96				20.70
		Excel	18.75				15.96
		Average	17.11				17.84
	Duplex	PDF	30.94	7.75	7.99 (3 set)		8.14
		Word	27.10				9.01
		Excel	32.06				7.99
		Average	30.04				8.38

Notes
・All printing device and print driver setting were default mode.
・For the B&W result, the print driver was set to"Grayscale"
・For the duplex result, the print driver was set to "Auto(Long-edge binding)" in "2-sided printing"

Full detailed report

(ISO/IEC 29183)

Model

Machine setting

Test Start Date and Time	2020/5/20 . 15:50
Tester	S.Marumo
Color or B/W	Color MFD
Configuration (Option)	Option wasn't used
Temperature	22.0 ℃
Humidity	53.6 %
Test End Date and Time	2020/8/31 . 10:30

	Pre-set item	Pre-set value
Mode	Output resolution	Default
	Output Quality	Default
	Copying mode	Default
	Auto density adjustment	N/A
	Collating function	N/A
Paper	Paper sending direction	Default
	Paper type setting	Default
Paper path	Paper feeding	Fornt paper input
	Paper exit	Standard exit tray
	Output orientation	Default (face down)
Temporary stop	N/A	N/A

Paper	Manufacturer	Fuji Xerox
	Weight	64g/m2
	Size	A4
	Paper type/Name	PPC/GAAA6395

Summary Report

	sFCOT [seconds]	sESAT [ipm]
Color	28.01	6.84
B&W	12.29	12.93

Full Report

	Target	sFCOT [seconds]	sEFTP [ipm]			sESAT [ipm]
			1Copy test	1Copy+30 seconds (# copies)	1Copy+4 minutes (# copies)	
Color	A	28.07	2.13	4.22	5.33	6.41
				5 copies	25 copies	
	B	27.09	2.21	6.51		10.53
				7 copies		
	C	27.96	2.14	3.95		5.72
				5 copies		
	D	28.92	2.07	3.28		4.70
				4 copies		
	Average	28.01	2.13	4.49		6.84
B&W	A	12.20	4.91	10.24	11.76	12.81
				8 copies	50 copies	
	B	12.00	4.99	12.03		15.62
				9 copies		
	C	12.63	4.74	9.18		11.48
				7 copies		
	D	12.30	4.87	9.38		11.82
				7 copies		
	Average	12.29	4.87	10.20		12.93

Full detailed report

(ISO/IEC 29183)

Model

Machine setting

Test Start Date and Time	2020/5/20 . 14:00
Tester	S.Marumo
Color or B/W	Color MFD
Configuration (Option)	Option wasn't used
Temperature	22.0 ℃
Humidity	53.6 %
Test End Date and Time	2020/9/1 . 11:35

	Pre-set item	Pre-set value
Mode	Output resolution	Default
	Output Quality	Default
	Copying mode	Default
	Auto density adjustment	N/A
	Collating function	N/A
Paper	Paper sending direction	Default
	Paper type setting	Default
Paper path	Paper feeding	Fornt paper input
	Paper exit	Standard exit tray
	Output orientation	Default (face down)
Temporary stop	N/A	N/A

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

Summary Report

	sFCOT [seconds]	sESAT [ipm]
Color	26.76	7.03
B&W	11.93	13.20

Full Report

	Target	sFCOT [seconds]	sEFTP [ipm]			sESAT [ipm]
			1Copy test	1Copy+30 seconds (# copies)	1Copy+4 minutes (# copies)	
Color	A	26.06	2.30	4.33	5.11	6.47
				5 copies	24 copies	
	B	25.69	2.33	6.71		10.96
				7 copies		
	C	27.11	2.20	3.98		5.85
				5 copies		
	D	28.16	2.12	3.30		4.84
				4 copies		
	Average	26.76	2.23	4.58		7.03
B&W	A	12.04	4.97	10.31	11.90	12.97
				8 copies	51 copies	
	B	11.39	5.26	12.27		15.64
				9 copies		
	C	11.81	5.08	10.36		12.86
				8 copies		
	D	12.48	4.80	9.10		11.33
				7 copies		
	Average	11.93	5.02	10.51		13.20

Full detailed report

(ISO/IEC 24735 General Performance Test)

Model

Machine Setup Information

Test Start Date and Time	2020/9/15 . 14:35
Tester	T.Hirasawa
Color or B/W	Color copying device
Configuration (Option)	Option wasn't used
Temperature and Humidity	24.9℃ / 55.1 %
Test End Date and Time	2020/9/16 . 12:00

	Pre-set item	Pre-set value
Mode	Output resolution	Default
	Output Quality	Default
	Copying mode	Default
	Auto density adjustment	Default
	Collating function	Default
Paper	Paper sending direction	Default
	Paper type setting	Default
Paper path	Paper feeding	Front paper input
	Paper exit	Standard exit tray
	Face up exit	Default (Face down)
	Duplex copying unit	Default (used in 1:2 mode)
Temporary stop	N/A	N/A

Paper	Manufacturer	Fuji Xerox
	Weight	64g/m2
	Size	A4
	Paper type/Name	PPC/GAAA6395

Summary Report

	Copying mode	FSOT [seconds]	ESAT [ipm]
Color	1:1 (Simplex : Simplex)	63.79	4.71
	1:2 (Simplex : Duplex)	88.58	3.87
	2:2 (Duplex : Duplex)	N/A	N/A
B&W	1:1 (Simplex : Simplex)	40.24	10.21
	1:2 (Simplex : Duplex)	56.04	6.84
	2:2 (Duplex : Duplex)	N/A	N/A

Full Report

Color mode	FSOT [seconds]	EFTP [ipm]			ESAT [ipm]
		1set test	1set+30 seconds (# sets)	1 set+4 minutes (# sets)	
1:1 (Simplex : Simplex)	63.79	3.75	4.18	5.06	4.71
			(2 sets)	(7 sets)	
1:2 (Simplex : Duplex)	88.58	2.70	3.17	3.60	3.87
			(2 sets)	(5 sets)	
2:2 (Duplex : Duplex)	N/A	N/A	N/A	N/A	N/A
			#DIV/0!	N/A	

B&W mode	FSOT [seconds]	EFTP [ipm]			ESAT [ipm]
		1set test	1set+30 seconds (# sets)	1 set+4 minutes (# sets)	
1:1 (Simplex : Simplex)	40.24	5.96	8.24	10.96	10.21
			(3 sets)	(13 sets)	
1:2 (Simplex : Duplex)	56.04	4.27	5.25	6.19	6.84
			(2 sets)	(8 sets)	
2:2 (Duplex : Duplex)	N/A	N/A	N/A	N/A	N/A
			#DIV/0!	N/A	

Full detailed report

(ISO/IEC 24735 General Performance Test)

Model

Machine Setup Information

Test Start Date and Time	2020/9/16 . 12:05
Tester	T.Hirasawa
Color or B/W	Color copying device
Configuration (Option)	Option wasn't used
Temperature and Humidity	24.0℃ / 53.3 %
Test End Date and Time	2020/9/16 . 16:10

	Pre-set item	Pre-set value
Mode	Output resolution	Default
	Output Quality	Default
	Copying mode	Default
	Auto density adjustment	Default
	Collating function	Default
Paper	Paper sending direction	Default
	Paper type setting	Default
Paper path	Paper feeding	Front paper input
	Paper exit	Standard exit tray
	Face up exit	Default (Face down)
	Duplex copying unit	Default (used in 1:2 mode)
Temporary stop	N/A	N/A

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

Summary Report

	Copying mode	FSOT [seconds]	ESAT [ipm]
Color	1:1 (Simplex : Simplex)	62.98	4.68
	1:2 (Simplex : Duplex)	87.90	3.80
	2:2 (Duplex : Duplex)	N/A	N/A
B&W	1:1 (Simplex : Simplex)	40.14	10.18
	1:2 (Simplex : Duplex)	54.47	6.72
	2:2 (Duplex : Duplex)	N/A	N/A

Full Report

Color mode	FSOT [seconds]	EFTP [ipm]			ESAT [ipm]
		1set test	1set+30 seconds (# sets)	1 set+4 minutes (# sets)	
1:1 (Simplex : Simplex)	62.98	3.80	4.20	5.03	4.68
			(2 sets)	(7 sets)	
1:2 (Simplex : Duplex)	87.90	2.72	3.18	3.45	3.80
			(2 sets)	(5 sets)	
2:2 (Duplex : Duplex)	N/A	N/A	N/A	N/A	N/A
			#DIV/0!	N/A	

B&W mode	FSOT [seconds]	EFTP [ipm]			ESAT [ipm]
		1set test	1set+30 seconds (# sets)	1 set+4 minutes (# sets)	
1:1 (Simplex : Simplex)	40.14	5.97	8.22	10.86	10.18
			(3 sets)	(13 sets)	
1:2 (Simplex : Duplex)	54.47	4.40	5.32	6.17	6.72
			(2 sets)	(8 sets)	
2:2 (Duplex : Duplex)	N/A	N/A	N/A	N/A	N/A
			#DIV/0!	N/A	