Full detailed report

(ISO/IEC 23385)

Model

Printing device and test setting

Test Start Date and Time	2024/4/18 .13:05
Tester	H.Nakata
Color or B/W	Color Printing device
Configuration (Option)	Option wasn't used.
Temperature and Humidity	23.2℃ / 41.8 %
Voltage	103.5V
Test End Date and Time	2024/4/18 . 13:10

Modes and Settings	Print Quality mode	Standard
	Setting N set count	Activated (Application, select ''count up'' or ''count down'')
	Collating function	Default (Printer Driver, ''collate'' ON)
	In order output	Default (Reverse)
Paper	Paper sending direction	Short edge feed
	Paper type setting	EPSON Photo paper
Paper path	Paper exit	Output tray
	Output orientation	Default (face up)
	Duplex print settings	OFF
Paper	Manufacturer	Seiko Epson Corporation
	Weight	255g/m2
	Size	4"×6"
	Paper type/Name	EPSON Photo paper Glossy

Test system parameters

Test system	Computer	Lenovo Think Pad P1 Gen2
	Processor	Intel ® Core™ i7-9750H Processor (2.60GHz, 12MB)
	System Chip Set	Intel ® CM246 Chip Set
	System Board	LENOVO:20QUS1VR00 BIOS :N2OET42W(1.29)
	System Memory	16GB(PC4-21300 DDR4 SODIMM)
	HDD or SSD Subsystem	M.2 PCIe NVMe SSD 512GB
	Video system	NVIDIA Quadro T1000
	I/O Subsystem	USB mouse
	USB Subsystem	System board USB controller , USB 3.1
Software	Operating System	Microsoft Windows 10 Pro 64bit
	Printing Application	Adobe Photoshop Elements 2019
	Print Driver	Ver.3.00.00
	Test Files Location	Standard offocial electronic test file 、SSD
Printing Device Connection	USB	USB 2.0

Report

Measuring method	Measurement condition	Sheet size
		4"×6"
	Required/Optional	Required item
single photoprinting time	Paper feeding	Paper Cassette 1
	Printing time [s]	17.82
	W/border,Borderless	W/border
	Method	One sheet method
	Image Size	96×146 (mm)

・Productivity has been determined in accordance with ISO/IEC 23385.
・Annex C was used to establish ready delay time (ready delay time: 50s).

Full detailed report

(ISO/IEC 24734 Office Category Tests)

Model

Printing device and test setting

Test Start Date and Time	2024/4/10 . 11:20
Tester	S.Marumo
Color or B/W	Color Printing device
Default output order	Reverse
Configuration (Option)	Option wasn't used.
Temperature and Humidity	22.7℃ / 43.2 %
Voltage	103.8V
Test End Date and Time	2024/4/11 . 16:00

Modes and Settings	Print Quality mode	Default
	B&W settings	Activated (Printer Driver, select''Grayscale'')
	Setting N set count	Activated (Application, select ''count up'' or ''count down'')
	Collating function	Activated (Printer Driver, select ''collate'')
	In order output	Default (Reverse)
Paper	Paper sending direction	short edge feed
	Paper type setting	Plain Paper
Paper path	Paper feeding	Auto Select (Paper Cassette 1)
	Paper exit	Output tray
	Output orientation	Default (face up)
	Duplexing unit	Default

Paper	Manufacturer	FUJIFILM Business Innovation Corp.
	Weight	64g/m2
	Size	A4
	Paper type/Name	ZGAA0535

Test system parameters

Test system	Computer	Lenovo Think Pad P1 Gen2
	Processor	Intel ® Core™ i7-9750H Processor (2.60GHz, 12MB)
	System Chip Set	Intel ® CM246 Chip Set
	System Board	LENOVO:20QUS1VR00 BIOS :N2OET42W(1.29)
	System Memory	16GB(PC4-21300 DDR4 SODIMM)
	HDD or SSD Subsystem	M.2 PCIe NVMe SSD 512GB
	Video system	NVIDIA Quadro T1000
	I/O Subsystem	USB mouse
	USB Subsystem	System board USB controller , USB 3.1
Software	Operating System	Microsoft Windows 10 Pro 64bit
	Printing Application	Adobe acrobat DC
		Microsoft Office Excel2016
		Microsoft Office Word2016
	Print Driver	Ver.3.00.00
	Test Files Location	Office Category files, SSD
Printing Device Connection	USB	USB 2.0

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 [s]	ESAT [ppm/ipm]
Output order	Simplex	Reverse	Reverse
	Duplex	Original	Original
Color (Default)	Simplex Average	12.35	25.41
	Duplex Average	17.68	17.90
B&W mode	Simplex Average	11.87	26.22
	Duplex Average	17.25	17.97

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

Office Category Test			Default order	EFTP [ppm/ipm]			ESAT	Office Category Test			Default order	EFTP [ppm/ipm]			ESAT
			FSOT [s]	1set test Default order	1set+30 seconds (# sets)	1 set+4 minutes (# sets)	[ppm/ipm]				FSOT [s]	1set test Default order	1set+30 seconds (# sets)	1 set+4 minutes (# sets)	[ppm/ipm]
Output order	Simplex		Reverse	Reverse	Reverse	Reverse	Reverse	Output order	Simplex		Reverse	Reverse	Reverse	Reverse	Reverse
	Duplex		Original	Original	Original	Original	Original		Duplex		Original	Original	Original	Original	Original
Color (Default)	Simplex	PDF	13.14	18.26	21.60 (4 set)	22.72 (24 set)	23.16	B&W mode	Simplex	PDF	12.24	19.60	23.13 (5 set)	23.96 (26 set)	24.39
		Word	10.56				30.90			Word	10.45				31.09
		Excel	13.33				22.19			Excel	12.90				23.19
		Average	12.35				25.41			Average	11.87				26.22
	Duplex	PDF	18.13	13.23	15.83 (4 set)		17.07		Duplex	PDF	17.64	13.60	16.15 (4 set)		17.39
		Word	15.86				19.94			Word	15.60				19.65
		Excel	19.05				16.70			Excel	18.51				16.88
		Average	17.68				17.90			Average	17.25				17.97

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''
·Annex D was used to establish ready delay time (ready delay time: 50s).

Full detailed report

(ISO/IEC 24734 Office Category Tests)

Model

Printing device and test setting

Test Start Date and Time	2024/4/15 . 14:55
Tester	H.Nakata
Color or B/W	Color Printing device
Default output order	Reverse
Configuration (Option)	Option wasn't used.
Temperature and Humidity	23.6℃ / 43.1 %
Voltage	103.1V
Test End Date and Time	2024/4/16 . 14:15

Modes and Settings	Print Quality mode	Default
	B&W settings	Activated (Printer Driver, select''Grayscale'')
	Setting N set count	Activated (Application, select ''count up'' or ''count down'')
	Collating function	Activated (Printer Driver, select ''collate'')
	In order output	Default (Reverse)
Paper	Paper sending direction	short edge feed
	Paper type setting	Plain Paper
Paper path	Paper feeding	Auto Select (Paper Cassette 1)
	Paper exit	Output tray
	Output orientation	Default (face up)
	Duplexing unit	Default

Paper	Manufacturer	Xerox Corporation
	Weight	75g/m2
	Size	Letter
	Paper type/Name	3R02047

Test system parameters

Test system	Computer	Lenovo Think Pad P1 Gen2
	Processor	Intel ® Core™ i7-9750H Processor (2.60GHz, 12MB)
	System Chip Set	Intel ® CM246 Chip Set
	System Board	LENOVO:20QUS1VR00 BIOS :N2OET42W(1.29)
	System Memory	16GB(PC4-21300 DDR4 SODIMM)
	HDD or SSD Subsystem	M.2 PCIe NVMe SSD 512GB
	Video system	NVIDIA Quadro T1000
	I/O Subsystem	USB mouse
	USB Subsystem	System board USB controller , USB 3.1
Software	Operating System	Microsoft Windows 10 Pro 64bit
	Printing Application	Adobe acrobat DC
		Microsoft Office Excel2016
		Microsoft Office Word2016
	Print Driver	Ver.3.00.00
	Test Files Location	Office Category files, SSD
Printing Device Connection	USB	USB 2.0

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 [s]	ESAT [ppm/ipm]
Output order	Simplex	Reverse	Reverse
	Duplex	Original	Original
Color (Default)	Simplex Average	12.53	25.70
	Duplex Average	17.62	18.12
B&W mode	Simplex Average	11.89	26.69
	Duplex Average	17.24	18.15

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			Default order	EFTP [ppm/ipm]			ESAT	Office Category Test			Default order	EFTP [ppm/ipm]			ESAT
			FSOT [s]	1set test Default order	1set+30 seconds (# sets)	1 set+4 minutes (# sets)	[ppm/ipm]				FSOT [s]	1set test Default order	1set+30 seconds (# sets)	1 set+4 minutes (# sets)	[ppm/ipm]
Output order	Simplex		Reverse	Reverse	Reverse	Reverse	Reverse	Output order	Simplex		Reverse	Reverse	Reverse	Reverse	Reverse
	Duplex		Original	Original	Original	Original	Original		Duplex		Original	Original	Original	Original	Original
Color (Default)	Simplex	PDF	13.08	18.35	21.70 (4 set)	23.02 (25 set)	23.46	B&W mode	Simplex	PDF	12.15	19.74	23.57 (5 set)	24.50 (26 set)	24.91
		Word	10.90				31.50			Word	10.63				31.55
		Excel	13.59				22.16			Excel	12.89				23.63
		Average	12.53				25.70			Average	11.89				26.69
	Duplex	PDF	18.09	13.26	16.02 (4 set)		17.34		Duplex	PDF	17.80	13.48	16.19 (4 set)		17.48
		Word	15.90				20.30			Word	15.65				20.17
		Excel	18.86				16.74			Excel	18.27				16.82
		Average	17.62				18.12			Average	17.24				18.15

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 D was used to establish ready delay time (ready delay time: 50s).