

ISO/IEC 24734 Printing Productivity Report: Office Category  
 FDIS ISO/IEC 29183 Copying Productivity Report

Full Detailed Test Reports  
 HP Photosmart 6510 e-All-in-One Printer B211a

Printing device and test settings	
Test Start Date and Time	4/22/2011 08:30 4/22/2011 08:30:00 AM
Tester	Salah
Machine product number	B211a
Machine name/model	HP Photosmart 6510 e-All-in-One Printer
FW Version	ESM1CN117AR
Colour or B&W	Color
Temperature and humidity	24 degrees C, 60%
Voltage	240 volts AC
Test End Date and Time	4/29/2011 03:30 4/29/2011 03:30:00 PM

Modes and Settings	Item	Value
Settings	Driver version	PS6510_1262
	Media / Quality Setting	Default / Default
	Simplex B&W settings	Driver was set to "print in grayscale, black ink only"
	Duplex B&W settings	N.A.
Paper Path	Setting N set count	Application
	Collating function	NO
	Paper sending direction	Default
	Paper size setting	Default
	Paper feeding	Standard cassette
	Paper exit	Standard exit tray
	Output orientation	Default (face up)
Paper	Duplexing ADF Unit	No
	Duplexing Print Unit	Yes
	Paper Manufacture	HP
	Weight	22lb
	Size	8.5 x 11"
	Paper type/name	HP All-in-One Colortek

Summary Reports			
ISO/IEC 24734		FSOT (seconds)	ESAT (ipm)
Color	Single Sided	47	7.5
	Two Sided	66	4
B&W	Single Sided	37	11
	Two Sided	59	5

Notes: 1) ipm = Images Per Minute and is equivalent to ppm or Pages Per Minute  
 2) For Simplex B&W results, Driver was set to "print in grayscale, black ink only"  
 3) For Duplex B&W results, N.A.

FDIS ISO/IEC 29183			
		FCOT (seconds)	sESAT (ipm)
Color		28	5.5
	B&W	21	6.5

Notes: 1) ipm = Images Per Minute and is equivalent to ppm or Pages Per Minute  
 2) Copy speed is limited to a maximum of 5 ppm for Belgium

Full Reports							
ISO/IEC 24734		Office Category	FSOT (sec)	EFTP (ipm)			sESAT (ipm)
				1 Set	1 Set+ 30 seconds	1 Set+ 4 Minutes	
Color	Single Sided	PDF (# sets)	51.04	4.70	5.54	6.40	6.64
		Word (# sets)	34.97	6.86	9.66	2	12.04
		Excel (# sets)	53.41	4.49	5.29	3	6.34
	Average		47	5	6	6	7.5
	Two Sided	PDF (# sets)	69.82	3.43	3.67	2	3.99
		Word (# sets)	54.86	4.37	4.96	3	5.37
Excel (# sets)		73.03	3.28	3.55	2	3.86	
Average		66	3	4	4	4	
B&W	Single Sided	PDF (# sets)	37.04	6.47	8.87	10.29	10.92
		Word (# sets)	32.83	7.31	10.84	3	13.79
		Excel (# sets)	39.40	6.09	8.33	3	10.18
	Average		37	6	9	10	11
	Two Sided	PDF (# sets)	61.23	3.91	4.36	3	4.65
		Word (# sets)	50.50	4.75	5.48	3	5.96
Excel (# sets)		60.59	3.96	4.41	3	4.69	
Average		59	4	4	4	5	

Notes: 1) ipm = Images Per Minute and is equivalent to ppm or Pages Per Minute  
 2) For Simplex B&W results, Driver was set to "print in grayscale, black ink only"  
 3) For Duplex B&W results, N.A.

FDIS ISO/IEC 29183						
		FCOT (sec)	sEFTP (ipm)			sESAT (ipm)
			1 Copy	1 Copy + 30 seconds	1 Copy + 4 Minutes	
Color	Page 1 (# copies)	26.55	2.26	4.17	5.33	5.43
	Page 2 (# copies)	26.44	2.26	5.82	5	8.85
	Page 3 (# copies)	26.39	2.27	4.57	6	5.92
	Page 4 (# copies)	27.64	2.17	2.71	6	3.01
	Average (# copies)	28	2	4	5	5.5
Black	Page 1 (# copies)	19.64	3.05	4.95	6.07	6.12
	Page 2 (# copies)	16.70	3.59	7.35	5	9.70
	Page 3 (# copies)	18.83	3.18	5.82	6	7.08
	Page 4 (# copies)	22.13	2.71	4.12	6	4.87
	Average (# copies)	21	3	5	6	6.5

Notes: 1) ipm = Images Per Minute and is equivalent to ppm or Pages Per Minute  
 2) Copy speed is limited to a maximum of 5 ppm for Belgium

Test system parameters		
Item	Value	
Test System	Computer	HP dv9812us Notebook PC
	Processor	AMD Turion TL-60 2.0 GHz, 1 MB L2 cache
	System Chip Set	Northbridge/Southbridge: nVidia MCP57M
	System Board	Standard system devices, default system BIOS
	System Memory	3GB PC2-5300 DDR2 SDRAM
	Hard Drive subsystem	Western Digital WD2500BEVS 250 GB
	Video subsystem	NVidia GeForce 7150M
	Optical Drive	Panasonic/Hewlett-Packard, DVD±RW and CD-RW
	IO subsystem	Built in
	USB subsystem	USB 2.0
I/O	USB	USB 2.0
	Operating System	Microsoft Windows Vista Home Premium SP1
Software	Printing Applications	Microsoft Office Word 2007
		Microsoft Office Excel 2007
		Adobe Reader 8.1.0
	Test Files and location	Office Category files, hard drive