



HP LaserJet Pro P1102/P1102W

vs. TOP 7 COMPETITORS



Devices competing with the HP LaserJet Pro P1102/P1102W have big shortcomings

Vendor & Printer	Overview	Specifics
HP LaserJet Pro P1102/P1102w \$129/ \$149	Small, energy efficient printer featuring many new HP innovations including ePrint and Wireless Direct Printing.	- HP's smallest, most affordable mono laser printer - Save energy with one of the most energy-efficient laser printers on the planet¹. HP Auto-On/Auto-Off Technology senses your printing activity, turning on and off automatically². - HP Smart Install: effortless setup – easy driver installation with no CD required - Wireless provides freedom to locate & print from anywhere in the Home/Office. Additionally, take advantage of mobile printing options for on-the-go performance. With HP ePrint mobile printing, now you can print from virtually anywhere³. With HP Wireless Direct print from a mobile device without a network. - Bold, crisp text and sharp images with HP FastRes 1200 & HP Original toner
Brother HL 2240D/HL 2250DN \$129/\$Price not available	Support narrow range of media weight and consumes 57% more energy	- Unlike HP, with the Brother devices, users have to replace an imaging drum after every 12K pages - The Brother HL 2240D consumes 57% more energy annually than HP LJ Pro P1102w (57.4kWh vs. 36.5kWh) - Narrow media weight support 16 – 28 lb bond vs. 16 – 43 lb bond for HP
Brother HL 2270DW \$149	2x slower first page out from power save and consumes 2x more energy	- Unlike HP, with the Brother HL 2270DW users have to replace an imaging drum after every 12K pages 2x slower first-page-out time from powersave mode – 16.4 seconds vs. 8.5 seconds for HP – means HP can warm up and print up to 2.5 pages before brother even finishes warming up - Consumes 2x more energy annually than HP LJ Pro P1102w (73.1kWh vs. 36.5kWh) - Narrow media weight support 16 – 28lb bond vs. 16 – 43lb bond for HP
Canon LBP 6000 \$119	Lowest memory in this category and does not support Wi-Fi	- The Canon LBP 6000 does not support wireless connectivity whereas it's a standard feature with HP LJ Pro P1102w - The Canon LBP 6000 has a 2 MB buffer only memory whereas HP LJ Pro P1102w comes standard with 8 MB memory
Xerox Phaser 3140 \$Price not available	Large printer and does not have a hi- speed USB 2.0 connectivity	- The Xerox Phaser 3140 does not have a hi-speed USB 2.0 feature whereas it's a standard feature for HP - The Xerox Phaser 3140 has 20% lower output capacity than HP(80 sheets vs. 100 sheets) - Narrow media weight support 16 – 28lb bond vs. 16 – 43lb bond for HP
Samsung ML 1675/ML 1670 \$79	Consumes more energy, has far more replacement parts than toner, and has highest CPP.	- Samsung consumes 28% more energy annually than HP (47.0 kWh vs. 36.5kWh) and standard capacity toner costs 7.1¢ per page. - The Samsung ML-1660 and ML -1665 uses a slower processor – 150MHz vs. 266MHz with HP - Samsung users will need to replace a Fuser unit, Pick-up roller and Transfer roller after 30K pages each whereas HP users do not have to replace anything other than toner cartridge
Samsung ML 2165/2160W \$129	Consumes more energy, supports narrower weight for media, and has far more replacement parts than toner	- Samsung users will need to replace a Fuser unit, Pick-up roller and Transfer roller after 30K pages each whereas HP users do not have to replace anything other than toner cartridge - Consumes 14% more energy annually than HP (41.7kWh vs. 36.5kWh) - Narrow media weight support 16 – 28 lb bond vs. 16 – 23 lb bond for HP
Fuji Xerox DocuPrint P205 \$Price not available	Does not support Wi-Fi, yet is larger, louder, and has a slower first page out.	- A larger, louder device, with slower first page out. - Fuji Xerox does not provide WiFi, Smart Install, or mobile printing solutions to provide the ease of use delivered by the HP P1102W.

1. Energy consumed based on competitive TEC measurement results found at www.energystar.gov, www.eu-energystar.org and manufacturers' published data sheets for single-function mono and color laser printers as of January 2012. Individual product configuration and usage will affect power consumption.

2. HP Auto-On and Auto-Off capabilities subject to printer and settings.

	HP	Brother	Brother	Canon	Xerox	Samsung	Samsung	Fuji Xerox
Specifications	LaserJet Pro P1102/P1102w	HL 2240d/ HL 2250dn	HL 2270dw	LBP 6000	Phaser 3140	ML 1675/ ML 1670	ML 2165/ 2160W	DocuPrint P205b
Engine Supplier	Canon	Brother	Brother	Canon	Fuji xerox	Samsung	Samsung	Fuji Xerox
Technology	Laser	Laser	Laser	Laser	Laser	Laser	Laser	SLED
Printer Price (US\$) ⁴	\$129/\$149	\$119/\$1NA	\$149	\$119	INA	\$79	\$99	\$107/\$130 (Pink)
Print Speed Mono (ltr)	Up to 19 ppm	Up to 24ppm Up to 26 ppm	Up to 27ppm	Up to 19ppm	Up to 19ppm	Up to 17 ppm	Up to 21 ppm	Up to 24 ppm
FPO from Ready (Mono)	8.5 sec	8.5 sec	8.5 sec	7.8 sec	8 sec	8.5 sec	8.5 sec	11 sec
FPO Energy Savings Mode ⁵	8.5 sec	Data unavailable	16.4 sec	Data unavailable	Data unavailable	24 sec	Data unavailable	Data unavailable
Control Panel Display	3 LED; 2 buttons	LED	LED	1 LED indicator, 1 operation key	LED	LED	LED	LED
PDL's supported	Host Based	GDI/PCL6	GDI, PCL6	CAPT	GDI	SPL	SPL	Host Based
Connectivity	USB; USB 2.0; Wi-Fi	USB; USB 2.0; Network	USB; USB 2.0; Network, Wi-Fi	USB; USB 2.0	USB	USB; USB 2.0	USB; USB 2.0: 802.11 b/g/n	USB; USB 2.0
Memory (std/Max)	2 MB/ 2 MB 8 MB/8 MB	8MB/8 MB	32MB/32 MB	2 MB buffer only memory	8 MB / 8 MB	8 MB/8 MB	32MB/32 MB	64 MB/ 64MB
Processor	266MHz	200 MHz	200 MHz	Data unavailable	150 MHz	150MHz	300MHz	150MHz
Print Resolution (max)	600x600 FastRes 1200	2400x600	2400x600	2400 x 600	1200 x 600	1200x600	1200x1200	1200x1200
Input capacity – standard/Max	150/150 sheets 10 sheet MP (P1102W)	250/250 sheets	250/250 sheets	150 / 150 sheets	250/251 sheets	150 / 150 sheets	150 / 150 sheets	150/150 sheets
Output capacity	100 sheets	100 sheets	100 sheets	100 sheets	80 sheets	100 sheets	100 sheets	100
Media Support weight (min/ max) Std. Tray	16 - 43 lb. bond	16-28 lb. bond	16-28 lb. bond	16 - 43 lb. bond	16-28 lb. bond	16 - 32 lb. bond	16 - 23 lb. bond	16- 43 lb.bond
Media Size (min/ max) inches	3" x 5 " / 8.5" x 14"	3" x 4.6" / 8.5" x 14"	3" x 4.6" / 8.5" x 14"	3" x7.4" /8.5" x 14"	3" x 5 " / 8.5" x 14"	3" x 7.2 " / 8.5" x 14"	3" x 5 " / 8.5" x 14"	3" x 5"/8.5" x 14"
Automatic Duplex	No	Yes	Yes	No	No	No	No	No
Cartridge Yields (std/max)	1600 pages	1200 pages/2600 pages	1200 pages /2600 pages	1600 pages	1500/2500 pages	1500 pages	1500 pages	1000/2200 pages
CPP (US\$) ⁴	4.3 ¢	4.6¢ Std Cap, 3.5¢ HC	4.6¢ Std Cap, 3.5¢ HC	5.5¢	Data unavailable	7.1¢ Std Cap, 4.3¢ HC	5.3¢	Data unavailable
Replacement parts beyond toner	None	Drum 12K pgs	Drum 12K pgs	None	None	Fuser unit, Pick-up roller and Transfer roller – 30K pgs each	Fuser unit, Pick-up roller, Feed roller, and Transfer roller – 30K pgs each	None
Toner shipped in Printer	700 pages	700 pages	700 pages	700 pages	700 pages	700 pages	700 pages	1000 pages
Printer Dimensions (WxDxH) inches	13.7" x 9.37" x 7.7"	14.5" x1 4.2" x 7.2"	14.5" x 14.2" x 7.2"	14.2" x 9.9" x 7.8"	14.17"x 15.31"x 9.05"	13.4" x 8.8" x 7.2"	13.0" x 7.0" x 8.5"	14.1"X7.8"X8.2 4"
Annual TEC (kilowatt hours) ⁵	36.5 kWh (P1102w)	57.4 kWh/INA	73.1 kWh	26.1kWh	62.6 kWh	47.0 kWh	41.7 kWh	Data unavailale
Energy Star	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Noise Operating/Idle dB	50 db/Inaudible db	53/31 db	53/31 db	50 dB/Inaudible	50 dB/26 dB	49 db/25 db	50 db/26 db	52 db/15db
Warranty	1 Yr Limited	1 Yr Limited	1 Yr Limited	1 Yr Limited	1 Yr on-site	1Yr On site	1Yr On site	1 Yr Limited
Monthly Duty Cycle/RMPV	5,000 / 250 - 1500 pages	10000 /250 to 2000	10000 / 250 to 2,000	5000/INA	10000/INA	5,000 / INA pages	10,000 /INA pages	20,000



3. Requires an Internet connection to the printer. Feature works with any connected Internet- and email-capable device. Requires HP Web Services Account Registration. Print times may vary. For a list of supported documents, and image types, see www.hp.com/go/eprintcenter. And for additional solutions, see www.hp.com/go/mobile-printing-solutions.

- Prices are estimated street prices in U.S. dollars from GAP Intelligence on 03/14/2011. Actual prices may vary.
- First page out times from powersave based on HP internal testing after devices sat in sleep for 60 min. or per mfg spec sheet as noted.
- Based on HP internal testing or as noted 115V TEC provided by energystar.gov. Testing employed the Typical Electricity Consumption (TEC) approach outlined by the U.S. Environmental Protection Agency. Test data was extended to 1 year. Testing was conducted on a single unit of each product. Actual power usage may vary.
- All other specifications/information gathered per Gap Intelligence dated 02/2012 or manufacturer's data sheet or BLI.

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