HP Color LaserJet 1600, 2600n & 2605 vs. top competitors

Devices competing with HP Color LaserJet printers have serious shortcomings.

Competitor	Strengths / weaknesses	Specifics
HP Advantages in general	**Leading Print Quality** **Desktop design** **In-line color speed** **Reduced maintenance**	• Consistently good print quality due to laser imaging and ImageRet 2400 technology. • Small footprint, single access point, control panel with LCD text display. • 8 ppm (CLJ1600,2600n) or 10 ppm (CLJ2605) color speed, plus instant-on fuser for fast warmup from Powersave (~24 seconds for first page out) • No replacement parts beyond toner cartridges, no lenses to clean.
Epson C1100n	**Greater space requirements plus regular cleaning**	• Epson has a larger footprint, plus lens cleaning wand extends from side • Epson ships with only 1500 pages worth of CMYK toner (less than HP's 2600n and 2605) • Epson's maximum color speed is 5 ppm (vs. 8 or 10 for HP) plus their FPO from Powersave is 41 sec
Konica Minolta 2500W / 2530DL / 2550	**Slow color print speed**	• The KM 25x0 takes 55 seconds to warm-up and print from Powersave, plus has color ppm of only 5. • KM 2500W and 2530DL ship with only 1500 pages worth of CMYK toner. • The 2500W does not have a text display and does not support an extra input tray.
Dell 1320c	**Ease of use: no LCD display, side access to consumables**	• The HP CLJ2600n and 2605 ship with over twice the toner in the box, an additional $164 value. • The HP models include a two-line text control panel display vs. LED display with the Dell. • The Dell 1320c requires side access to consumables and image drum replacement every 20K.
Samsung CLP-300	**Limited capabilities**	• The CLP-300 only supports 150 pages of input (no extra tray), while HP has 250 std, 500 max. • The CLP-300 toner capacity is 700 CMY, 1,500 black pages vs 2,000 CMY, 2,500 black for HP. • The CLP-300 prints at 4 color ppm vs 8 or 10 for HP, plus Samsung doesn't have an instant-on fuser.
Samsung CLP 510	**Greater space requirements plus lots of parts to replace**	• Samsung has a larger footprint with access required on 3 sides of the printer • There are many Samsung parts to replace beyond toner (imaging drum, transfer kit, toner waste). • Samsung takes 88 seconds to print from Powersave, plus it has a slower color ppm (6 vs 8 or 10).
OKI 3400n	**Horizontal LED design, lots of parts to replace**	• Due to the horizontal design, OKI consumables must be removed to clear the paper path. • OKI is deeper than HP and requires more free space above the printer for opening the top door. • OKI takes 47 seconds to print from Powersave • OKI has lots of replacement parts beyond toner, including 4 imaging drums every 15K color pgs
Xerox Phaser 6110	**Limited capabilities**	• The Xerox 6110 only supports 150 pages of input (no extra tray), while HP has 250 std, 500 max. • 6110 toner capacity is 1000 CMY, 2000 black pages and it ships with 700 CMY, 1500 K pages. • The Xerox prints at 4 color ppm vs 8 or 10 for HP, plus Xerox doesn't have an instant-on fuser.
Lexmark C500n	**Greater space requirements plus lots of parts to replace**	• The Lexmark C500 has a larger footprint and requires replacement of several parts beyond toner, an imaging drum every 30K color pages and a toner waste kit every 7.5 K color pages • Lexmark takes 58 seconds to warm-up and print from Powersave. • Lexmark ships with only 1K pages worth of CMYK toner vs. 2.5K black and 2K CMY with the CLJ2600n and CLJ2605, worth an extra $160 based on the cost of the Lexmark high-capacity toner.

Specifications	HP	Epson	KMinolta	Dell	Samsung	Samsung	OKI	Xerox	Lexmark
	Color LaserJet 1600/2600 / 2605	C1100n	2500W/ 2530 DL/ 2550	1320c	CLP-300	CLP 510	3400n	6110	C500n
Technology	Canon in-line	Fuji-Xerox 4-pass	KMinolta 4-pass	Fuji-Xerox in-line	Samsung 4 -pass	Samsung 4-pass	OKI in-line LED	Samsung 4-pass	Hitachi 4-pass
Resolution	ImageRet 2400	2400RIT	2400 x 600 9600 x 600	2400 x 600	2400 x 600	1200 effective	1200 x 600	2400 x 600 IQ	1200 x 600
Connectivity	USB 2.0, n: 10/100	Parallel, USB 2.0, 10/100	USB 2.0 / USB 2.0 &10/100 + parallel	USB 2.0; 10/100 network adapter - $50	USB 2.0; 10/100 in "n bundle"	USB 2.0, n: 10/100	USB 2.0, 10/100	USB 2.0; 10/100 in "n bundle"	USB 2.0, 10/100
PDLs	Host-based, PCL&PS in 2605	Host-based	Host-based/ host-based / PCL&PS	Host-based	Host-based	Host-based	Host-based	Host-based	Host-based
Processor (MHz)	264/300/ 300	66	NA/130/ 300	333	300	Not speced	200	300	200
Memory	16/16/64	32	32/64/ 128	64	32	64	32	32/64	64
Width (in, mm)	16.1, 407	17.5, 445	16.9, 430	15.6, 400	15.1, 384	20.1, 510	14.8, 376	15.3,390	19.5, 480
Depth (in,mm)	17.8, 453	17.5, 445	19.8, 502	16.6, 422	13.5, 343	18.5, 470	18.9, 479	13.5, 344	16.5, 420
Height (in,mm)	14.6, 370	17.3, 439	13.4, 341	14.8, 378	10.5, 264	15.9, 405	11.4, 290	10.5, 265	15.2, 385
Weight (lb, kg)	40.5, 18.4	61.6, 28	44, 20	37.8, 17.2	30, 13.6	70.5, 32	46.2, 21.0	30, 13.6	66, 29
LCD text display	Yes	Yes	No/Yes/Yes	No	No	Yes	No	No	Yes
Toner capacity CMY	2000	1500 or 4000	1500 or 4500	1000 or 2000	1000	2000 or 3000	1000 or 2000	1000	1500 or 3000
Toner capacity black	2500	4000	4500	1000 or 2000	2000	5000 or 7000	1500 or 2500	2000	2500 or 5000
Replacement parts (beyond toner)	None	Photocond 10.5K color	Imaging kit 11,250 color	Image drum, 20K	Drum 12.5K color, waste 1250 color	Imaging 12.5K transfer 12.5K waste 3K	Drums 15K , Fuser 45K, transfer 50K	Drum 12.5K color, waste 1250 color	Photocon 30K waste 7.5K fuser 51K
Color PPM	8/8/10	5	5	12	4	6	16	4	8
Mono PPM	8/8/12	25	20	16	16	25	20	16	31
FPO from PS	24	41	55	28.3	56	88	47	56	58
Paper input std	250 + 1	180	200	250 + 1	150	250 + 100	250 +1	150	250
Paper input max	500 + 1	680	200/700/ 700	250 + 1	150	850	250 +1	150	780
Duplex	Auto on 2650dn	Auto option	No / auto option/ auto option	No	No	Auto standard	No	No	No
Duty cycle	20K/35K/35K	45K	35K	35K	24,200	35K	35K	24,200	35K
Warranty	1 yr return	1 yr onsite	1 yr exchg	1 yr exchg	Not speced	1 yr onsite	1 yr	1 year	1 yr onsite
Price US $	$299/399/ 449	N/A	$299/399/ 499	$299, $349 for n	$299	$319	$384	$349/ $435 for n	$399
Price €	€ 259 / 290 / 339	€ 406	€ 270/ ??/??	€ 249, € 279 for n	€ 249	€ 259	€ 379	€ 281, 340	€ 298
Toner in box CMY	1K/2K/2K	1500	1500/1500 /4500	1K	700	2000	1000	700	1000
Toner in box black	1K/2.5K/ 2.5K	1500	1500/1500 / 4500	1K	1500	3000	1000	1500	1000
Cost per page US¢* Black, CMYK	3.0 / 15.3	2.4 / 13.8	2.2 / 11.9	4.5 – 3.0 / 22.2 - 14.9	3.8 / 19.9	3.1 – 2.2 / 16.4 – 11.4	3.0 – 2.7 / 18.5 – 16.7	4.0 / 20.2	4.2 – 3.3 / 24.5 – 15.9
Cost per page €*	2.4, 12.1	2.0, 11.3	2.0, 11.5	3.4 – 2.1 / 18.2 - 11.8	3.1/16.3	2.0/10.9	2.8 / 14.2	3.9/18	3.2 – 2.4 / 18.7 – 11.5

* Using Hi-Cap where available
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