

HP LaserJet printers vs. Dell



Dell printer

Comparable HP

Significant differences between these devices

Dell 3000cn
\$449 • 5 color/25 black ppm

HP Color LaserJet 2550
\$499 • 4 color/20 black ppm

- **Print reliably with HP** – Dell users may need to add memory to print in best-PQ mode without memory errors, whereas the HP device prints best print quality in default mode.
- **Use less space with HP** – HP needs only 3.4 square feet of floor space vs. 8.0 square feet for Dell, which requires accessibility on 3 sides vs. only 1 side for HP.
- **Wait less for output with HP** – HP has a first-page-out time from powersave mode of 30 seconds vs. 41 seconds for Dell.

Dell 3100cn
\$549 • 5 color/25 black ppm

Dell 5100cn
\$999 • 25 color/35 black ppm

HP Color LaserJet 4650
\$1,799 • 22 color/22 black ppm

- **Replace fewer parts with HP** – HP requires only 5 parts beyond toner over the course of 3 years when printing 10,000 pages per month vs. 23 parts for Dell.
- **Wait less for output with HP** – In best-PQ mode, it takes Dell more than 4 times longer to print a suite of files, plus the unit takes longer to warm up from powersave and experiences frequent 30-second delays for cleaning and switching from monochrome printing to color printing.*
- **Print reliably with HP** – Dell users may need to add memory to print in best print-quality mode without memory errors, whereas the HP device prints best PQ in default mode.

Dell 1700
\$199 • 25 ppm

HP LaserJet 1320
\$399 • 22 ppm

- **Get auto duplexing standard with HP** – Dell does not offer this even as an option for the 1700.
- **Wait less for output with HP** – HP has a first-page-out time from powersave mode of 9 seconds vs. 37 seconds for Dell, which, unlike HP, slows to half engine speed in 1,200-dpi mode.
- **Reduce complexity with HP** – Unlike HP's integrated, easy-to-replace toner cartridges, Dell's more complex, 2-piece toner system can confuse users, who may damage its unprotected imaging drum and degrade print quality when changing toner.
- **Lower real-world cost per page** – Testing by SpencerLab reveals LaserJet 1320 toner cartridges exceed HP's stated yields, whereas Dell 1700 cartridges fail to meet Dell's stated yields.

Dell M5200n
\$799 • 35 ppm

HP LaserJet 4250
\$899 • 45 ppm

- **Wait less for output with HP** – A first-page-out time from powersave mode of 9 seconds lets HP warm up and print 27 pages before the Dells, with FPOs of 44 seconds, even print 1 page.
- **Get reliable PQ with HP** – HP's integrated toner cartridges yield consistently great print quality over time, whereas the Dell units' toner cartridges do not include a charge roller – a part that may need to be replaced separately to maintain acceptable PQ.
- **Simplify operation with HP** – Be sure to compare paper-tray designs, because unlike the Dell units' trays, HP's are durable, easy to load, and easy to adjust for various media sizes.

Dell W5300n
\$999 • 45 ppm

Dell 1600n
\$359 • 22 ppm

HP LaserJet 3030 AIO
\$499 • 15 ppm

- **Wait less for output with HP** – HP has a first-page-out time from powersave mode of 10 seconds vs. 50 seconds for Dell.
- **Full network functionality** – Dell can only print at 6 ppm over network connections and the unit does not provide network scanning or faxing capabilities, whereas HP offers full functionality with an optional JetDirect external print server.
- **Productive faxing with HP** – Dell has no fax speed dials vs. 7 speed dials for HP.

Other important issues to consider when comparing Dell and HP printers

- **Get the features you need with HP** – Unlike HP, Dell does NOT offer tabloid (11x17) laser printers, output paper handling, or workgroup MFPs.
- **Minimize IT headaches with HP** – Unlike HP, Dell has 3 networking implementations – 1 for black-and-white laser printers, 1 for black-and-white all-in-one devices, and 1 for color laser printers. Furthermore, each Dell "solution" supports different network protocols and has different management capabilities.
- **Manage devices remotely with HP** – Unlike HP, Dell does NOT offer a solution to manage multiple printers at once. Instead, Dell printers must be managed one at a time, which usually demands significantly more IT resources.