Data sheet

HP LaserJet Pro MFP M428 series

Lighten your workload, focus on your business

Winning in business means working smarter. The HP LaserJet Pro MFP M428 is designed to let you focus your time where it's most effective – growing your business and staying ahead of the competition.

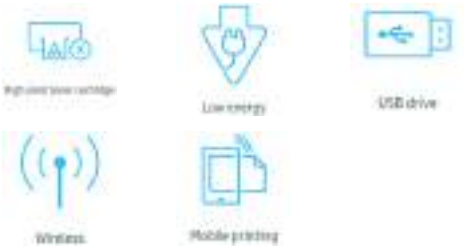
HP LaserJet Pro MFP M428fdn

HP LaserJet Pro MFP M428fdw

Dynamic security enabled printer. Only intended to be used with cartridges using an HP original chip. Cartridges using a non-HP chip may not work, and those that work today may not work in the future. Learn more at: http://www.hp.com/go/learnaboutsupplies

Highlights

- 2 sided printing
- Dual-band Wi-Fi & wireless
- Embedded Security features
- HP Roam enabled
- Up to 24% energy savings
- High yield toner cartridge



Built to keep you – and your business – moving forward

- Scan files directly to Microsoft® SharePoint, email, USB, and network folders.[1]
- Help save time by automating all the steps in a complicated workflow and use at a touch of a button.[2]
- Print wirelessly even without the network, stay connected with dual band Wi-Fi and Wi-Fi direct.[3,4,5]
- Print effortlessly from any device, virtually anywhere, to any HP printer – securely through the cloud.[6]

Best-in-class security – detect and stop attacks[7]

- A suite of embedded security features help protect your MFP from being an entry point for attacks.[7]
- Help ensure the security of confidential information with optional PIN/Pull printing to retrieve print jobs.[8]
- Optional HP JetAdvantage Security Manager lets you set configuration.
- Thwart potential attacks and take immediate action with instant notification of possible security issues.[9]

Simply designed to uncomplicate your day

- Set up this MFP fast, and easily manage device settings to help increase overall printing efficiency.
- Tackle tasks quickly and easily – with the simple 6.8 cm colour touchscreen.
- Print Microsoft office formatted files in addition to PDFs right off your USB drive.[10]
- Avoid interruptions with an HP LaserJet MFP designed to be streamlined for maximum productivity.

Sustainability is smart business

- Avoid frustrating reprints, wasted supplies, and service calls using Original HP toner cartridges.
- Help save paper right out of the box. The duplex print setting is set at default paper savings mode.[11]
- Saves up to 22% over prior products.[12]
- Help save energy with HP Auto-on/Auto-off technology. [13]

Product walkaround

HP LaserJet Pro M428fdw shown

1. Dual-band Wi-Fi with Bluetooth® Low Energy for easy wireless printing and setup
2. 6.9 cm customisable colour touchscreen control panel (tilts up for easier viewing)
3. Easy-access USB port
4. 100 sheet multipurpose tray 1 supports media sizes up to 216 x 356 mm
5. Rear door (access to the print path)
6. Hi-Speed USB 2.0 port, USB port for job storage and PIN printing, Gigabit Ethernet LAN port, fax port
7. 50 sheet automatic document feeder (ADF) with single-pass, two sided scanning
8. Flatbed scanner handles media sizes up to 216 x 356 mm
9. 150 sheet output bin
10. Front door release button
11. Front door (access to HP EcoSmart black toner cartridges)
12. Automatic two-sided printing
13. 250 sheet input tray 2 supports media sizes up to 216 x 356 mm

Series at a glance

Model	HP LaserJet Pro MFP M428fdn	HP LaserJet Pro MFP M428fdw
Product number	W1A29A	W1A30A
Functions	Print, copy, scan, fax	
Print speed	Up to 38 pages per minute (ppm)	
Scan speed	Simplex: Up to 29 ppm (black), up to 20 ppm (colour); Duplex: Up to 46 images per minute (ipm) (black), up to 34 ipm (colour)	
Scanning	50 sheet ADF with single-pass, two sided scanning	
Automatic two-sided printing	Yes	
Control panel display	6.9 cm colour touchscreen	
100 sheet multipurpose tray 1, 250 sheet tray 2	Yes	
Optional 550 sheet tray 3	Add up to one	
Input capacity (standard/maximum)	Up to 350/900 sheets	
Recommended monthly page volume	Up to 4,000 pages	
Cartridge yields (A/X)	Black: ~3,000/10,000 pages	
Dual-band Wi-Fi with Bluetooth Low Energy	Not available	Yes

Accessories, Supplies and Support

Supplies	**CF259A** HP 59A Black Original LaserJet Toner Cartridge (3,000 pages)
	CF259X HP 59X High Yield Black Original LaserJet Toner Cartridge (10,000 pages)
	CF259XC HP 59X Black Contract LaserJet Toner Cartridge (10,000 pages)
Accessories	**D9P29A** HP LaserJet Pro 550-sheet Feeder Tray
Service and Support	**UB9R7E** HP 3 year Next Business Day LaserJet Pro MFP M428 Service **UB9S2PE** HP 1 year Post Warranty Next Business Day LaserJet Pro MFP M428 Service

Technical specifications

Model	**HP LaserJet Pro MFP M428fdn**	**HP LaserJet Pro MFP M428fdw**
Product number	W1A29A	W1A30A
Functions	Print, Copy, Scan, Fax, Email	
Control panel	6.86 cm (2.7 in) Colour Touchscreen	
Print		
Print technology	Laser	
Print speed[1]	**Black (A4, normal)** Up to 38 ppm; **Black (A4, duplex)**: Up to 31 ipm;	
First page out[2]	**Black (A4, ready)**: As fast as 6.3 sec; **Black (A4, sleep)**: As fast as 8.8 sec;	
Print resolution	**Black (best)**: Fine Lines (1200 x 1200 dpi); **Technology**: HP FastRes 1200, HP ProRes1200, Economode;	
Monthly duty cycle[3]	Up to 80,000 pages A4; **Recommended monthly page volume**[4]: 750 to 4,000	
Printer smart software features	Apple AirPrint™, Mopria certified, Google Cloud Print 2.0, ROAM capable for easy printing, HP ePrint, and HP Auto-On/Auto-Off Technology, Intuitive 6.86 cm (2.7 in) touchscreen control panel, Scan/Print from Cloud using apps on the control panel, Job Storage with PIN printing, Print from USB, N-up printing, collation	Apple AirPrint™, Mopria certified, Google Cloud Print 2.0, HP ePrint, and Wi-Fi Direct Printing, ROAM enabled for easy printing, HP Auto-On/Auto-Off Technology, Intuitive 6.86 cm (2.7 in) touchscreen control panel, Scan/Print from Cloud using apps on the control panel, Job Storage with PIN printing, Print from USB, N-up printing, collation
Standard print languages	HP PCL 6, HP PCL 5c, HP postscript level 3 emulation, PDF, URF, Native Office, PWG Raster	
Fonts and typefaces	84 scalable TrueType fonts	
Print area	**Print margins** Top: 5 mm, Bottom: 5 mm, Left: 4 mm, Right: 4 mm; Maximum print area: 207.4 x 347.1mm	
Duplex printing	Automatic (default)	
Copy		
Copy speed[5]	**Black (A4)**: Up to 38 cpm	
Copier specifications	ID Copy; Number of copies; Resize (including 2-Up); Lighter/Darker; Enhancements; Original Size; Binding Margin; Collation; Tray Selection; Two-Sided; Quality (Draft/Normal/Best); Save Current Settings; Restore Factory Defaults; **Maximum number of copies**: Up to 999 copies; **Reduce/Enlarge**: 25 to 400%;	
Scan		
Scan speed[6]	**Normal (A4)**: Up to 29 ppm/46 ipm; **Duplex (A4)**: Up to 46 ipm	
Scan file format	PDF, JPG, TIFF	
Scanner specifications	**Scanner type**: Flatbed, ADF; **Scan technology**: Contact Image Sensor (CIS); **Scan input modes**: Front-panel scan, copy, email, or file buttons; HP Scan software, and user application via TWAIN or WIA; **Twain version**: Version 2.3; **Duplex ADF scanning**: Yes; **Scan size maximum (flatbed)**: 216 x 297 mm; **Optical scan resolution**: Up to 1200 x 1200 dpi	
Scanner advanced features	Single-pass 2-sided scanning ADF; Scan to cloud (Google Drive and DropBox); Scan to email with LDAP email address lookup; Scan to network folder; Scan to USB; Scan to Microsoft SharePoint®; Scan to computer with software; Fax archive to network folder; Fax archive to email; Fax to computer; Enable/disable fax; Quick Sets	Single-pass 2-sided scanning ADF; Scan to cloud (Google Drive and DropBox) Scan to email with LDAP email address lookup, Scan to network folder, Scan to USB, Scan to Microsoft SharePoint®, Scan to computer with software, Fax archive to network folder, Fax archive to email, Fax to computer, Enable/disable fax, Quick Sets

Model	HP LaserJet Pro MFP M428fdn	HP LaserJet Pro MFP M428fdw
Product number	W1A29A	W1A30A
Recommended monthly scan volume	750 to 4000	
Scannable area	**Maximum media size (flatbed)**: 216 x 297 mm; **Minimum media size (ADF)**: 102 x 152 mm **Maximum media size (ADF)**: 216 x 356 mm	
Bit depth/ Grey scale levels	24-bit / 256	
Digital sending	Standard: Scan to email with LDAP email address lookup; Scan to network folder; Scan to USB; Scan to Microsoft SharePoint®; Scan to computer with software; Fax archive to network folder; Fax archive to email; Fax to computer; Enable/disable fax; Quick Sets	
Fax		
Fax[7]	Yes, 33.6 kbps	
Fax specifications	**Fax memory**: Up to 400 pages; **Fax resolution**: Standard: 203 x 98 dpi; Fine: Up to 203 x 196 dpi; Superfine: Up to 300 x 300 dpi (no halftone); **Quick dialing**: Up to 120 numbers; **Telecom compliance**: Fax Telecom: ETSI ES 203 021; Other Telecom approvals as required by individual countries.	**Fax memory**: Up to 400 pages; **Fax resolution**: Standard: 203 x 98 dpi; Fine: Up to 203 x 196 dpi; Superfine: Up to 300 x 300 dpi (no halftone); **Quick dialing**: Up to 120 numbers; **Telecom compliance**: Wireless: EU Radio Equipment Directive 2014/53/EU; EN301 489-1 V2.1.1; EN301 489-17 V3.1.1; IEC62311:2007; N62311:2008; EN300 328 V2.1.1(2.4GHz); EN301 893 V2.1.1(5GHz); Fax Telecom: ETSI ES 203 021; Other Telecom approvals as required by individual countries.
Fax smart software features	Permanent fax memory backup; Auto fax reduction; Auto redialing; Delayed sending; Fax forwarding; TAM interface; Junk barrier; Distinctive ring detection; Cover page; Block fax; Billing codes; Save and load; Fax activity reports; Dial prefix setting; Print fax log; HP Digital Fax	
Processor speed	1200 MHz	
Connectivity		
Standard	1 Hi-Speed USB 2.0; 1 rear host USB; 1 Front USB port; Gigabit Ethernet LAN 10/100/1000BASE-T network	1 Hi-Speed USB 2.0; 1 rear host USB; 1 Front USB port; Gigabit Ethernet LAN 10/100/1000BASE-T network; 802.11b/g/n/2.4/5 GHZ Wi-Fi radio
Wireless		Yes, built-in dual-band Wi-Fi; Authentication via WEP, WPA/WPA2, WPA Enterprise; Encryption via AES or TKIP; WPS; Wi-Fi Direct; Bluetooth Low-Energy
Mobile printing capability[8]	HP Smart App; Apple AirPrint™; Google Cloud Print™; HP ePrint; Mobile Apps; Mopria™ Certified; Roam capable for easy printing	Apple AirPrint™; Google Cloud Print™; HP ePrint; HP Smart App; Mobile Apps; Mopria™ Certified; Roam capable for easy printing; Wi-Fi® Direct Printing
Supported network protocols	TCP/IP, IPv4, IPv6; Print: TCP-IP port 9100 Direct Mode, LPD (raw queue support only), Web Services Printing, HP ePrint, Apple AirPrint™, Google Cloud Print 2.0, Mopria, IPP Print; Discovery: SLP, Bonjour, Web Services Discovery; IP Config: IPv4 (BootP, DHCP, AutoIP, Manual), IPv6 (Stateless Link-Local and via Router, Statefull via DHCPv6), SSL Security and Certificate management; Management: SNMPv1, SNMPv2, SNMPv3, HTTP/HTTPS, Syslog, FTP FW Download	
Hard disk	No	
Memory	**Standard**: 512MB DDR; 512MB Flash; **Maximum**: 512MB DDR; 512MB Flash	
Media handling		
Number of paper trays	**Standard**: 2 **; Maximum**: 3	
Media types	Paper (plain, EcoEFFICIENT, light, heavy, bond, coloured, preprinted, prepunched, recycled, rough); Envelopes; Labels	
Media size	**Custom (metric)**: Tray 1: 76.2 x 127 to 215.9 x 355.6 mm; Tray 2, 3: 104.9 x 148.59 to 215.9 x 355.6 mm **; Supported (metric)**: Tray 1: A4; A5; A6; B5 (JIS); Oficio (216 x 340 mm); 16K (195 x 270 mm); 16K (184 x 260 mm); 16K (197 x 273 mm); Envelope #10; Envelope Monarch; Envelope B5; Envelope C5; Envelope DL; Custom Size; Statement; Tray 2 & Tray 3: A4; A5; A6; B5 (JIS); Oficio (216 x 340 mm); 16K (195 x 270 mm); 16K (184 x 260 mm); 16K (197 x 273 mm); Custom Size; A5-R; B6 (JIS) **; ADF**: A4; Custom sizes 102 x 152 to 216 x 356 mm	
Media handling	**Standard input**: 100 sheet tray 1, 250 sheet input tray 2, 50 sheet Automatic Document Feeder (ADF) **Standard output**: 150 sheet output bin **Optional input**: Optional third 550 sheet tray **ADF**: Standard, 50 sheets	
Media weight	Tray 1: 60 to 175 g/m²; Tray 2, optional 550 sheet Tray 3: 60 to 120 g/m²; **ADF**: 60 to 120 g/m²	
Input capacity	**Tray 1**: Sheets: 100; Envelopes: 10 **Tray 2**: Sheets: 250 **Tray 3**: Sheets: 550 (optional) **Maximum**: Up to 900 sheets (with Optional 550 sheet tray) **ADF**: Standard, 50 sheets	

Model	HP LaserJet Pro MFP M428fdn	HP LaserJet Pro MFP M428fdw
Product number	W1A29A	W1A30A
Output capacity	**Standard**: Up to 150 sheets Envelopes: Up to 10 envelopes **Maximum**: Up to 150 sheets	
Compatible operating systems	Windows Client OS (32/64-bit), Win10, Win8.1, Win 8 Basic, Win8 Pro, Win8 Enterprise, Win8 Enterprise N, Win7 Starter Edition SP1, UPD Win7 Ultimate, Mobile OS, iOS, Android, Mac, Apple® macOS Sierra v10.12, Apple® macOS High Sierra v10.13, Apple® macOS Mojave v10.14, Discrete PCL6 Printer Driver, for more information on the supported operating systems go to http://www.support.hp.com, enter your product name and search, click on User Guides and enter your product name and search for User Guide, search for your (Product Name) - User Guide, search for the Supported Operating Systems section, UPD PCL6/PS Printer Drivers, Supported Operating systems, for more information on the supported operating systems see http://www.hp.com/go/upd	
Compatible network operating systems	Windows Server 2008 R2 64-bit, Windows Server 2008 R2 64-bit (SP1), Windows Server 2012 64-bit, Windows Server 2012 R2 64-bit, Windows Server 2016 64-bit, Failover Cluster 2008 R2, Failover Cluster 2012 R2, Terminal server 2008 R2, Remote Desktop server 2012 R2, Citrix Server 6.5, Citrix XenApp & XenDesktop 7.6, Novell iPrint server, Citrix Ready Kit Certification - up to Citrix Server 7.18 for more information see http://www.citrixready.citrix.com, Linux - for more information see http://www.developers.hp.com/hp-linux-imaging-and-printing, Unix - for more information see http://www.hp.com/go/unixmodelscripts, UPD PCL6 / PS Printer Drivers, Supported for Compatible Network Operating systems please see http://www.hp.com/go/upd	
Minimum system requirements	**Windows**: 2 GB available hard disk space, Internet connection, USB port, Internet browser, for additional OS hardware requirements see http://www.microsoft.com; **Mac**: 2 GB available hard disk space, Internet connection or USB port, for additional OS hardware requirements see http://www.apple.com	
Software included	No software solutions are included in the Box, only on http://www.hp.com, http://www.123.hp.com/laserjet	
Security management	Secure Boot, Secure Firmware Integrity, Runtime Code Integrity, password protected EWS, secure browsing via SSL/TLS 1.0, TLS 1.1, TLS 1.2, IPP over TLS; Network: enable/disable network ports and features, unused protocol and service disablement, SNMPv1, SNMPv2, and SNMPv3, community password change; HP ePrint: HTTPS with certificate validation, HTTP Basic Access Authentication, SASL authentication, LDAP authentication and authorization, firewall and ACL, control panel lock, certificates configuration, UPD PIN printing, Syslog, signed firmware, administrator settings, access control, 802.1x authentication (EAP-TLS, and PEAP), Encrypted data storage, Secure data erase, automatic firmware updates, Secure Encrypted Print via optional job storage, compatible with optional HP JetAdvantage Security Manager	Secure Boot, secure firmware integrity, runtime code integrity, password protect EWS, secure browsing via SSL/TLS 1.0, TLS 1.1, TLS 1.2; IPP over TLS; Network: enable/disable network ports and features, unused protocol and service disablement, SNMPv1 & SNMPv2 community password change; HP ePrint: HTTPS with certificate validation, HTTP Basic Access Authentication, SASL authentication, LDAP authentication and authorization, firewall and ACL, control panel lock, certificates configuration, UPD PIN printing, Syslog, signed firmware, administrator settings, access control SNMPv3, 802.1x wireless authentication (EAP-TLS, LEAP, and PEAP), authentication via WEP, WPA/WPA2 Personal, WPA2-enterprise wired, encryption via AES or TKIP, Encrypted data storage, Secure data erase, automatic firmware updates, Secure Encrypted Print via optional job storage, compatible with optional HP JetAdvantage Security Manager, IPPS
Printer management	HP Printer Assistant, HP Utility (Mac), HP Device Toolbox, HP Web JetAdmin Software, HP JetAdvantage Security Manager, HP SNMP Proxy Agent, HP WS Pro Proxy Agent, Printer Administrator Resource Kit for HP Universal Print Driver (Driver Configuration Utility - Driver Deployment Utility - Managed Printing Administrator)	
Dimensions and weight		
Printer dimensions (W x D x H)[9]	**Minimum** 420 x 390 x 323 mm; **Maximum**: 430 x 634 x 325 mm;	
Package dimensions (W x D x H)	497 x 398 x 490 mm	
Printer weight	12.6 kg	
Package weight	15.5 kg	
Operating environment	**Temperature**: 15 to 32.5°C; **Humidity**: 30 to 70% RH	
Storage conditions	**Temperature**: -20 to 40°C;	
Acoustics[10]	**Acoustic power emissions**: 6.7 Bel(A) (Printing at 38 ppm); **Acoustic pressure emissions**: 53 dB(A)	
Power[11]	**Requirements**: 220-volt input voltage: 220 to 240 VAC (+/- 10%), 50/60 Hz (+/- 2 Hz); **Consumption**: 510 watts (Active Printing), 7.5 watts (Ready), 0.9 watts (Sleep), 0.9 watts (Auto Off/Wake on LAN, enabled at shipment), 0.06 watts (Auto Off/Manual On), 0.06 (Manual Off); **Typical Electricity Consumption (TEC)**[12]: Blue Angel: 1.144 kWh/week; Energy Star: 1.247 kWh/week; **Power supply type**: Internal (Built-in) power supply;	
Energy savings feature technology	HP Auto-On/Auto-Off Technology; Instant-on Technology	
Certifications[13]	CISPR 32:2012/EN 55032:2012 - Class B, CISPR 32:2015/EN 55032:2015 - Class B, EN 61000-3-2:2014, EN 61000-3-3:2013, EN 55024:2010+A1:2015 ENERGY STAR® qualified; EPEAT® Silver; CECP **Blue Angel compliant** Yes, Blue Angel DE-UZ 205—only ensured when using Original HP supplies	
What's in the box[14]	HP LaserJet Pro M428fdn; Preinstalled HP 59A Black LaserJet Toner Cartridge (yield: 3,000 pages); Getting started guide; Support flyer; Warranty guide; Regulatory flyer; Power cord; Phone cord; HP printer software is available at http://www.hp.com/support	HP LaserJet Pro M428fdw; Preinstalled HP 59A Black LaserJet Toner Cartridge (yield: 3,000 pages); Getting started guide; Support flyer; Warranty guide; Regulatory flyer; Power cord; Phone cord; USB cable; HP printer software is available at http://www.hp.com/support
Warranty	One-year Bench/Depot Repair warranty. Warranty and support options vary by product, country and local legal requirements. Contact your Contractual Vendor or go to http://www.hp.com/support to learn about HP award winning service and support options in your region.	

Footnotes

[1] Some scan apps may require an Internet connection to the printer. Services may require registration. App availability varies by country, language, and agreements. For details, see http://www.hpconnected.com
[2] Connect printer/MFP to the network and complete customisation through the Embedded Web Server.
[3] Wireless operations are compatible with 2.4 GHz and 5 GHz operations. App or software and HP ePrint account registration may also be required. Some features require purchase of an optional accessory. Learn more at http://hp.com/go/mobileprinting.
[4] Feature only supported on the HP LaserJet Pro MFP M428dw and M428fdw. Wireless performance is dependent on physical environment and distance from access point, and may be limited during active VPN connections.
[5] Feature is supported on the HP LaserJet Pro Mfp M428dw and M428fdw only. Mobile device needs to be connected directly to the Wi-Fi network of a wireless direct–capable MFP or printer prior to printing. Depending on mobile device, an app or driver may also be required. Learn more at http://hp.com/go/businessmobileprinting.
[6] To enable HP Roam, some devices may require firmware to be upgraded and an optional accessory to add Bluetooth® Low Energy (BLE) beaconing capabilities. Subscription or accessory may be required. For more information, visit http://hp.com/go/roam.
[7] Based on HP review of 2019 published security features of competitive in-class printers. Only HP offers a combination of security features that can monitor to detect and automatically stop an attack then self-validate software integrity in a reboot. For a list of printers, visit http://hp.com/go/PrintersThatProtect. For more information: http://hp.com/go/printersecurityclaims.
[8] Pin printing enabled via USB installed in rear of device.
[9] Instant threat notifications can appear on the device control panel when a potential threat occurs from malicious intent or there is a bug or vulnerability in the firmware code of the device. If this error raises concern, please contact your company IT representative or, if unavailable, HP Support, who can investigate the cause through analysis of device syslog data using a standard SIEM tool from McAfee, Splunk, Arcsight or SIEMonster. The control panel error message may show an error code on a blue screen during code signature checks or memory write intrusions.
[10] Microsoft and PowerPoint are U.S. registered trademarks of the Microsoft group of companies. Feature works with Microsoft Word and PowerPoint 2003 and later. Only Latin language fonts are supported.
[11] All new product introductions beginning in Fall 2019 will include consistent worldwide default duplex settings (across bundles/drivers); Spring 2019 will include consistent worldwide default duplex settings for most products across the most common drivers.
[12] Based on HP Internal testing using normalised TEC Value, 2019.
[13] HP Auto-On/Auto-Off Technology capabilities subject to printer and settings; may require a firmware upgrade.

Technical specifications disclaimers

[1] Measured using ISO/IEC 24734, excludes first set of test documents. For more information see http://www.hp.com/go/printerclaims. Exact speed varies depending on the system configuration, software application, driver, and document complexity.
[2] Measured using ISO/IEC 17629. For more information see http://www.hp.com/go/printerclaims. Exact speed varies depending on the system configuration, software application, driver, and document complexity.
[3] Duty cycle is defined as the maximum number of pages per month of imaged output. This value provides a comparison of product robustness in relation to other HP LaserJet or HP Color LaserJet devices, and enables appropriate deployment of printers and MFPs to satisfy the demands of connected individuals or groups.
[4] HP recommends that the number of pages per month of imaged output be within the stated range for optimum device performance, based on factors including supplies replacement intervals and device life over an extended warranty period.
[5] First Copy Out from Ready and Simplex Copy Speed measured using ISO/IEC 29183, Duplex Copy Speed measured using ISO/IEC 24735, excludes first set of test documents. For more information see http://www.hp.com/go/printerclaims. Exact speed varies depending on the system configuration, software application and document complexity.
[6] Scan speeds measured from ADF. Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software.
[7] Rates achieved with Fast (V.34), standard resolution and simple images.
[8] Local printing requires mobile device and printer to be on the same network (usually Wi-Fi access points bridge wireless to wired connections) or have a direct wireless connection. Wireless performance is dependent on physical environment and distance from access point. Remote printing requires an Internet connection to an HP web-connected printer. Wireless broadband use requires separately purchased service contract for mobile devices. Check with service provider for coverage and availability in your area. For more information visit http://www.hp.com/go/mobileprinting. To enable HP Roam, some devices may require firmware to be upgraded and an optional accessory to add Bluetooth® Low Energy (BLE) beaconing capabilities. Subscription may be required. For more information, visit http://www.hp.com/go/roam.
[9] Without trays and covers extended.
[10] Acoustic values are subject to change. For current information see http://www.hp.com/support. Configuration tested: base model, simplex printing, A4 paper at an average of 38 ppm.
[11] Power requirements are based on the country/region where the printer is sold. Do not convert operating voltages. This will damage the printer and void the product warranty. Power consumption values typically based on measurement of 115 V device.
[12] TEC is equal to Best TEC. Power requirements are based on the country/region where the printer is sold. Do not convert operating voltages. This will damage the printer and void the product warranty. Energy Star value typically based on measurement of 115 V device.
[13] EPEAT® registered where applicable. EPEAT registration varies by country. See http://www.epeat.net for registration status by country.
[14] In box cartridge yield: 3,000 black pages based on ISO/IWC 19752 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see: http://www.hp.com/go/learnaboutsupplies. Pages may vary based on customer printing conditions and usage.

http://www.hp.com/uk

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