HP PageWide Managed Color MFP P77440dn Printer



HP Managed MFPs and printers are optimized for managed environments. Offering increased monthly page volumes and fewer interventions, this portfolio of products can help reduce printing and copying costs. See your HP Authorized Reseller for details.



Affordable color printing for every office

- Depend on lasting value. Get the results you expect for a game-changing low color cost per page.
- Print even faster—and save even more per page—by setting this MFP to General Office mode.³
- Help keep energy costs down with the most efficient MFP in its class.²

Minimal interruptions. Maximum uptime.

- Minimize interruptions with an HP PageWide MFP designed for less maintenance than laser competitors.4
- Print speeds up to 50% faster than competitors—as fast as 60 ppm in color and black-and-white.5
- Print Microsoft® Word and PowerPoint® files with a USB port that quickly recognizes, formats, and prints.
- Equip this HP PageWide MFP with a variety of accessories to meet the needs of your office.

Strong security designed to detect and stop attacks

- With HP Sure Start, each printer regularly checks its operating code and repairs itself from attempted hacks.
- Protect information on the MFP and in transit over the network.7
- Monitor activity to detect and stop attacks, then automatically reboot with run-time intrusion detection.
- Whitelisting checks firmware during startup to help ensure it's authentic, good code—digitally signed by HP.

Designed with the environment in mind

- Conserve resources with HP PageWide—designed to use less energy than any laser MFP in its class.²
- This MFP meets rigorous standards for ISO class 5 cleanrooms—perfect for sensitive environments.
- Help reduce your impact. Count on easy cartridge recycling at no charge through HP Planet Partners.8
- Keep noise to a minimum with an MFP designed to be quiet. Place it near people without disrupting work.











¹ Based on HP review of 2017 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 hp.com/go/PrintersThatProtect. For more information: http://hp.com/go/printerscurityclaims. ² Energy claim based on TEC data reported on http://energystar.gov as of February 2018. Data normalized to determine energy efficiency of in-class color laser printers and MFPs with print speeds between 20-80 ppm as of February 2018. Subject to device settings. Actual results may vary. ³ Comparison based on printing in Professional mode. ⁴ Fewer service parts claim based on HP analysis of leading in-class A color laser printers and MFPs as of February 2018; calculations use publicly available and/or published manufacturer rated yields for long-life consumables and assume 600,000 pages printed (using a 60% black/40% color ratio). Learn more at http://hp.com/go/gagewideclaims. ⁵ Comparison of HP PageWide A3 devices with leading in-class color ink/laser MFPs (\$3,000-511,299 and €2,820-€11,199), and color ink/laser single function printers (\$1,500-\$4,799 and €1,410-€4,599) as of February 2018; market share as reported by IDC as of 03 2017, excluding other HP PageWide products. HP PageWide speeds based on General Office mode and exclude first page. Learn more at http://hp.com/go/printerspeeds. ⁶ Feature works with Microsoft® Word and PowerPoint® 2003 and later. Only Latin language fonts are supported. ⁷ Requires separate purchase. For details, see http://hp.com/go/securitymanager. ⁸ Program availability varies. For more information, visit http://hp.com/recycle.

HP PageWide Managed Color MFP P77440dn Printer Specifications Table

Functions / Multitasking Supported	Print, copy, scan, fax; / Yes	Paper Handling	550-sheet Tandem Input Tray; 100-sheet multi-purpose tray; 500-sheet face-down output bin; Duplex
Print Speed	Letter : As fast as 40 ppm black; As fast as 40 ppm color ⁵ First Page Out : As fast as 8 sec black; As fast as 8.3 sec color ⁶		Options: Automatic (standard) Manual (driver support provided): Auto Document Feeder Capacity: 100 sheets: Envelope Feeder: No; Standard Paper Trays: 3: Input Capacities: Up to 1100 sheets Tandem Tray; Up to 100 sheets - MP Tray; Output Capacities: Up to 500 sheets; Up to 50 envelopes; None
Print Resolution	Black (best): Up to 1200 x 1200 optimized dpi from 600 x 600 input dpi (on Unspecified, Plain, HP Premium Presentation Matte, and HP Brochure Matte); Color (best): Up to 2400 x 1200 optimized dpi from 600 x 600 input dpi (on HP Advanced Photo Papers)	What's in the box	Y3260A HP PW Managed Color MFP P7744Odn; HP Setup Ink Cartridges (yield after setup ~16000 pages CMY and ~20000 K); Installation guide, Support flyer; documentation on CD-ROM; Power cord
Print Technology	HP PageWide Technology with pigmented inks	Replacement Cartridges	HP 992XC Black Contract PageWide Cartridge (~22,000 pages) MOK30XC; HP 992XC Cyan Contract
Print Resolution Technologies	HP PageWide Technology up to 1200 x 1200 optimized dpi from 600 x 600 input dpi		PageWide Cartridge (~16,000 pages) M0K07XC; HP 992XC Magenta Contract PageWide Cartridge
Print Cartridges Number	4 (1 each black, cyan, magenta, yellow)	Product Dimensions	(~16,000 pages) M0K11XC; HP 992XC Yellow Contract PageWide Cartridge (~16,000 pages) M0K26XC
Standard Print languages	HP PCLXL (PCL6), PCL5, native PDF, HP Postscript Level 3 emulation, PJL, JPEG, PCLM	Product Weight	W x D x H : 23.8 × 23.8 × 26.2 in; Maximum : 50.0 × 40.4 × 37.3 in
Printer Smart Software Features	HP Trusted Platform Module; HP JetAdvantage Security Manager; HP Web Jetadmin; HP ePrint, Apple	Warranty Features	146.9 lb ¹
	Air Print™, HP Auto-On/Auto-Off technology, HP Color Access Control, HP EasyColor, Front-facing USB printing, store print jobs, print preview, automatic two-sided printing, print multiple pages per sheet (2, 4, 6, 9, 16), collation, booklet printing, cover pages, tray selection, scaling, Portrait/Landscape		90 days parts only warranty. Warranty and support options vary by product, country and local legal requirements. Go to hp.com/support to learn about HP award winning service and support options in your region.
	orientation, High Quality Grayscale and Black Ink Only, General Office/Professional/Presentation dpi print modes, Optional: wireless	Energy Efficiency Compliance Control Panel	ENERGY STAR® qualified; EPEAT® Gold
Printer Management	HP JetAdvantage Security Manager; HP SNMP Proxy Agent; HP Web Jetadmin Software; Printer	Display Description	4.3" CGD (Color Graphic Display), IR touchscreen for P77740dn series 4.3" CGD (Color Graphic Display), IR touchscreen for P77740dn series;
Scan Type / Technology	Administrator Resource Kit for HP Universal Print Driver	Software Included	4.3 CdD (Color Graphic Display), in Counstreem of P7774 our Series, HP Device Experience (DXP), HP PCL 6 Print Driver, HP Software Installer/Uninstaller, Mac OS Welcome
Scan Resolution	Flatbed, ADF / Contact Image Sensor (CIS) Hardware: Up to 600 ppi; Optical: Up to 600 ppi		Screen (Directs users to 123.HP.com or OS App Source for printer software), Online user manuals
Scan File Format	Scan File Types supported by included software: Bitmap (.bmp), JPEG (.jpg), PDF (.pdf), PNG (.png), Rich Text (.trlf), Searchable PDF (.pdf), Text (.txl), TIFF (.tif)	Fonts and Typefaces	105 internal TrueType fonts scalable in HP PCL, 92 internal scalable fonts in HP Postscript level 3 emulation (Euro symbol built-in'): Internal Unicode Fonts (Andale Mono WorldType): 2 Internal Windows Vista 8 Fonts (Galibri, Cambria); additional fonts olutions available via third-party flash
Scan Input Modes	Front panel applications: Copy, Scan to E-mail with LDAP e-mail address lookup, Scan to Network Folder, Scan to USB, Scan to Sharepoint. Client applications: EWS, HP Scan App	Compatible Operating Systems	memory cards; HP Laser Jet Fonts and IPDS Emulation available at http://www.hp.com/go/laserjetfonts Android, Linux Boss (5.0), Linux Debian (7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 7.9, 8.0, 8.1, 8.2, 8.3,
Scan Size	ADF : 11.7 X 34 in Maximum; 4 x 6 in Minimum; Flatbed : 11.7 X 17 in		8.4, 8.5, 8.6), Linux Fedora (22, 23, 24), Linux Mint (17, 17.1, 17.2, 17.3, 18), Linux Red Hat Enterprise (6.0, 7.0), Linux SUSE (13.2, 42.1), Linux Ubuntu (12.04, 14.04, 15.10, 16.04, 16.10), OS macOS 10.12
Scan Speed	Up to 50 ipm (mono and color), LEF* Duplex : Up to 35 ipm (mono and color), LEF*		Sierra, OS X 10.10 Yosemite, OS X 10.11 El Capitan, UNIX, Windows 10 all 32- & 64-bit editions
Scanner Advanced Features	Optimize text/picture; Image adjustments; Job build; Output quality setting; Selectable scan resolution 75 to 600 dpi; Auto detect color; Edge Erase; Job notification; Blank page suppression; HP Quick Sets; Scan and save to destinations: network folder, FTP, USB flash drive, e-mail; see software section for more details.	(excluding RT OS for Tablets), Windows 7 all 32-8 64-bit editions, Windows 8/8.1 all 32-8 64-bit editions, Windows 8/8.1 all 32-8 64-bit editions (Horne Basic, Premium, Professional, etc.), Windows XP SP3 32-bit editions (YP Horne, XP Pro, etc.) Compatible Network Operating Citrix MetaFrame Presentation Server 3.0, Citrix MetaFrame XP Presentation Server (Feature Relea	
Bit depth / Grayscale levels	24-bit / 256	Systems	2, and 3), Citrix on Windows Server 2003/2003R2, Citrix on Windows Server 2008/2008R2/2008 R2
Digital Sending Standard Features	Scan-to E-mail with LDAP email address lookup; Scan-to Network Folder; Scan-to USB; Scan-to SharePoint, Scan to FTP; Send to LAN Fax; Send to Internet Fax; Color Access Control; Native authorization and authentication; Quick Sets; two-sided copying; scalability; image adjustments (darkness, contrast, background feanup, sharpness); N-up, N or Z-ordering; content orientation; collation; booklet; ID Scan; job build; dede -to-ede; job storage.		SP1, Citrix on Windows Server 2012/2012R2, Citrix Presentation Server 4.0/4.5, Citrix XenApp 5.0 (Plus Feature Pack 2 & 3) for Windows Server 2008 Terminal Services 32- and 64-bit, Citrix XenApp 6.0/6.5 (for Windows Server 2008 R2 Terminal Services, 32- and 64-bit), Citrix XenApp 6.0/6.5/7.5 (for Windows Server 2008 R2 SP1 Terminal Services, 32- and 64-bit), Citrix XenApp 7.5 (for Windows Server 2012 and 2012 R2 Terminal Services, 64-bit), Citrix XenDesktop 5.6 for Windows Server 2008 R2 Terminal Services, 32- and 64-bit), Citrix XenDesktop 5.6/7.0/7.5 (for Windows Server 2008 R2 Terminal Services, 32- and 64-bit), Citrix XenDesktop 5.6/7.0/7.5 (for Windows Server 2008 R2 SP1
Copy Speed	3		Terminal Services, 32- and 64-bit], Citrix XenDesktop 7.0/7.5 [for Windows Server 2012 and 2012 R2 Terminal Services, 64-bit], Novell NetWare 6.5/SP8 Novell Clients www.novell.com/iprint, Novell iPrint
Copy Resolution	Black (text and graphics): Up to 600×600 dpi; Up to 600×600 dpi; Color (text and graphics): Up to 600×600 dpi		Appliance v1.0, Novell Open Enterprise Server 11/SP1, Novell Open Enterprise Server 2 for Linux, Nor Servers www.novell.com/liprint), Windows Server 2003/2003 R2 32-/64-bit (SP1/SP2) Standard/Enterprise/Datacenter (- Cluster & Terminal Services), Windows Server 2003/2003 R2 32-
Maximum Number Of Copies	Up to 9999 copies		(SP1/SP2) Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008 32-/64-bit (SP2)
Copier Resize	25 to 400%		Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008 R2 64-bit (SP1) Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008/2008 R2 32-/64-bit
Copier Settings	Two-sided copying, scalability, image adjustments (darkness, contrast, background cleanup, sharpness), N-up, N or Z-ordering, content orientation, collation, booklet, ID Scan, job build, edge-to-edge, job storage	R2 64-bit Standard/Foundation/Essentials/Datacenter (+ Cluster & Term 2016/ 64-bit Standard/ Essential/Datacenter (+ Cluster & Terminal Servi	(SP1/SP2) Standard/Enterprise/Datacenter (+ Cluster & Terminal Services), Windows Server 2012/2012 R2 64-bit Standard/Foundation/EssentialS/Datacenter (+ Cluster & Terminal Services), Windows Server 2016/ 64-bit Standard/ Essential/Datacenter (+ Cluster & Terminal Services)
Fax Speed	Up to: 33.6 kbps; Letter: 5 Sec per page	Minimum System Requirements	PC: Windows® 10, 8.1, 8, 7: 1 GHz 32-bit or 64-bit processor, 2 GB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Microsoft® Internet Explorer. Windows Vista®: 800
Fax Resolution	Black (best): Up to 300 × 300 dpi (400 × 400 dpi for received faxes only): Color (best): Up to 300 × 300 dpi (400 × 400 dpi for received faxes only): Black (standard): 204 × 98 dpi; Color (standard): Up to 300 x 300 dpi (400 × 400 dpi for received faxes only): The color (standard): Up to 300 x 300 dpi (400 × 400 dpi for received faxes only): The color (standard): Up to 300 x 300 dpi (400 × 400 dpi for received faxes only): The color (standard): Up to 300 x 300 dpi (400 × 400 dpi for received faxes only): The color (standard): Up to 300 x 300 dpi (400 × 400 dpi for received faxes only): The color (standard): Up to 300 x 300 dpi (400 × 400 dpi for received faxes only): The color (standard): Up to 300 x 300 dpi (400 × 400 dpi for received faxes only): The color (standard): Up to 300 x 300 dpi (400 × 400 dpi for received faxes only): The color (standard): Up to 300 x 300 dpi (400 × 400 dpi for received faxes only): The color (standard): Up to 300 x 300 dpi (400 × 400 dpi for received faxes only): The color (standard): Up to 300 x 300 dpi (400 × 400 dpi for received faxes only): The color (standard): Up to 300 x 300 dpi (400 × 400 dpi for received faxes only): The color (standard): Up to 300 x 300 dpi (400 × 400 dpi for received faxes only): The color (standard): Up to 300 x 300 dpi (400 × 400 dpi for received faxes only): The color (standard): Up to 300 x 300 dpi (400 × 400 dpi for received faxes only): The color (standard): Up to 300 x 300 dpi (400 × 400 dpi for received faxes only): The color (standard): Up to 300 x 300 dpi (400 × 400 dpi for received faxes only): The color (standard): Up to 300 x 300 dpi (400 × 400 dpi for received faxes only): The color (standard): Up to 300 x 300 dpi (400 × 400 dpi for received faxes only): The color (standard): Up to 300 x 300 dpi (400 × 400 dpi for received faxes only): The color (standard): Up to 300 x 300 dpi (400 × 400 dpi for received faxes only): The color (standard): Up to 300 x 300 dpi (400 × 400 dpi for received faxes only): The color (standard): Up to 300 x 300 dpi	MHz processor (32-bit only), 2 GB available hard disk space, CD-ROM/DVD drive or Internet connection USB port, Microsoft [®] Internet Explorer 8. Windows [®] XP SP3 or higher (32-bit only): any Intel [®] Pentiur	MHz processor (32-bit only), 2 GB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Microsoft [®] Internet Explorer 8. Windows [®] XP SP3 or higher (32-bit only): any Intel [®] Pentium [®] II, Celeron [®] or 233 MHz compatible processor, 850 MB available hard disk space, CD-ROM/DVD drive or
Fax Smart Software Features	Stored faxes; Fax archiving; Fax forwarding; Scale to fit; Fax address book; LAN/Internet fax; Fax number confirmation; Holiday fax schedule		
Fax Features	Fax Memory: Up to 500 pages (black and white): Auto Fax Reduction Supported: Yes; Auto-Redialing: Yes; Fax Delayed Sending: No: Districtive Ring Detection Supported: No: Fax Forwarding Supported: Yes; Yes Phone TAM Interface Supported: No; Fax Polling Supported: Yes (poll to receive only): Fax Telephone Mode Supported: No: Junk Barrier Supported: Yes; Maximum Speed Dialing Numbers: Up to 1000	Power	Power Supply Type: Internal (Built-in) power supply; Power Requirements: Input voltage: 100 to 240 VAC, 50/60 Hz; Power Consumption: 475 watts (printing), 32 watts (ready), 1.4 watts (sleep), 0.2 watts (off) ²
	numbers (each with 210 destinations); PC Interface Supported: Yes, HP Software support provided; Remote Retrieval Capability Supported: No; Telephone Handset Supported: No	Acoustics	Acoustic Power Emissions: 6.6 B(A) (Printing color simplex A4 at 41 ppm)
Standard Connectivity	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network	Operating Environment	Operating Temperature Range: 59 to 86°F; Recommended Operating Temperature: 63 to 77°F; Storage
Network Capabilities	Via HP Jetdirect Ethernet embedded print server (standard) supports: 10Base-T, 100Base-TX, 1000Base-T; 802.3az (EEE) support on Fast Ethernet and Gigabit Ethernet; IPsec (standard)		Temperature Range. Before initial setup (Non-Purged): -40 to 140°F; After initial setup (Purged): 32 to 140°F. if stored below the lowest specified operating temperature, unit must slowly warm up to an approved operating temperature (HP recommends waiting 24 hours at approved operating temperature (FIP recommends waiting 24 hours at approved operating temperature prior to using the printer); Non-Operating Humidity Range: 10 to 80% RH: Operating
Wireless Capability	Optional, enabled with purchase of a hardware accessory		Humidity Range: 10 to 80% RH; Recommended Humidity Operating Range: 30 to 70% RH
Mobile Printing Capability	HP ePrint; Apple AirPrint™; Mopria™-certified; Wireless Direct Printing; Google Cloud Print 2.0; Mobile Apps	Security Management	Kerberos authentication, LDAP authentication, 2000 user PIN codes, Network: IPsec/firewall with Certificate, Pre-Shared Key, and Kerberos authentication. Supports WIA-10 IPsec configuration Plug in, 802 1X authentication in EAP-PEAP EAP-TLS, SNMPA, HTTPS, Certificates, Access Control List, HT Trusted Platform Module (TPM) comes standard; Data: Storage Encryption, Encrypted PDF & Email (uses FIPS-140 validated cryptographic libraries from Microsoft). Secure Erase, SSL/TLS (HTTPS), Encrypted Credentials; Device: Security toks old, USB port disablement, HP Security Management: Compatible with HP JetAdvantage Security Manager, Device Security Syslog Messages processed and accessible in ArcSight and Splunk SIEMs; For more security settings for HP JetAdvantage Security Manager go to http://h1.0032.www1.hp.com/ctg/Manaul/C03602120
Memory	Standard: 2816 MB – System Total Standard; 1280 MB on Formatter; 1024 MB on the SCB; 512 MB on the ECB; Maximum : 3584 MB – System Total Standard; 2048 MB on Formatter (with 1024 MB DIMM); 1024 MB on the SCB; 512 MB on the ECB		
Processor Speed	1.2 GHz / Hard disk: None (printer uses eMMC solid state drive (SSD)). Standard eMMC memory = 16GB, upgradeable to XXGB		
Duty Cycle	Monthly, letter: Up to 150,000 pages ⁷	Accessories	HP PageWide Managed 550-sheet Paper Tray P1V16A, HP PageWide Managed 550-sheet Paper Tray
Recommended Monthly Page Volum	ne 2500 to 30,000		and Cabinet P1V17A, HP PageWide Managed 3x550 sheet Paper Tray and Stand P1V18A, HP PageWide Managed 4000 sheet High-capacity Paper Tray and Stand P1V19A, HP 128GB Memory Module
Media Types Supported	Plain paper, HP EcoFFICIENT, HP Premium Presentation Matte 120g, HP Brochure Matte 180g, HP Brochure Glossy, HP Advanced Photo Papers, Light 60-74g, Intermediate 85-95g, Mid-Weight 96-110g, Heavy 111-130g, Extra Heavy 131-175g, Cardstock 176-220g, Labels, Letterhead, Envelope, Heavy Envelope, Preprinted, Prepunched, Colored, Bond, Recycled, Rough		Malageu 4000 Sineet riight-capacity rapper Tray and Saltur Firstya, her Ezosto Mentolly Moutous W1849A, HP Internal USB Ports BSLZ8A, HP Foreign Interface Harness BSLJ3A, HP 1GB x32 144-pin (800 MHz) DDR3 SODIMM ESK48A, HP Jetdirect 2900nw Print Server J8031A, HP Jetdirect 3000w NFC/Wireless Accessory J8030A, HP Laser Jet MFP Analog Fax Accessory 500 CC487A, HP Accessibility Assistant 2MU47A
Media Weight Supported	Tray 1: 16-58 lb, 80 lb Photo Paper Only; Trays 2-5: 16-58 lb; HCI Trays 3 & 4: 16-58 lb	HP Service and Support Options	U9VX9E - HP 3 year Next Business Day Onsite; U9VY0E - HP 4 year Next Business Day Onsite; U9VY1E
Media Sizes Supported	12 x 18; 11 x 17; RA3; A3; BK: Z73 x 394 mm, Z70 x 390 mm, Z60 x 368 mm; B4 (JIS); Legal; Oficio Z16 x 340 mm; Oficio S5 x 13; C4; SRA4; RA4 - R; Arch A-R; A47; A4 - R; Letter - R; 16K; 197 x 273 mm - R, 195 x 270 mm - R; executive - R; A5 - R; 16K; 184 x 260 mm - R; B5 (JIS) - R; Arch A; Statement; Letter; RA4; A4; 5 x 8; Double Japan Postcard Rotated; 16K; 197 x 273 mm, 195 x 270 mm, 184 x 260 mm; Executive; B5 (JIS); B6 (JIS); 5 x 7; 4 x 6; 10 x 15 cm; A5; Double Japan Postcard Rotated - R; A5; A5; A5; A5; A5; A5; A5; A5; A5; A5	Learn more at hp.com	HP 5 year Next Business Day Onsite
	Japanese Postcard; Custom-sized media; Envelopes; Envelope 85; Envelope #10; Japanese Envelope (hou #3; Japanese Envelope - Flap Oper, Envelope 65; Envelope #9; Envelope #0; Envelope Wigner Governor (so flow for a flow for a flow for a flow flow for a flow flow flow flow flow flow flow flow	•	

¹ With ink installed, no media in trays ² 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 and Energy Star TEC values typically based on measurement of 115V device. ³ Speed specifications have been updated to reflect current industry testing methods. ⁴ Based on standard ITU-T test image #1 at standard resolution, More complicated pages or higher resolution will take longer and use more memory. ⁵ ISO speeds measured using SO/IEC 24734. Excludes first page or first set of ISO test pages. For details see hp.com/go/printerclaims ⁶ No heating or fusing warm up time required ⁷ Duty cycle is defined as the maximum number of printed pages per month of imaged output. This value provides a comparison of product robustness in relation to other HP Color Laser/Jet devices, and enables appropriate deployment of printers and MFPs to satisfy the demands of connected individuals or groups. ⁶ HP recommends that the number of printed pages per month be within the stated range for optimum device performance, based on factors including supplies replacement intervals and device life over an extended warranty period. ⁸ HP SureSupply alerts you when you should replace a print cartridge and helps you purchase locally or via the Internet. For more information, visit hp.com/learn/suresupply. Only available with original HP supplies; Internet access required. ¹⁰ All HP media listed as compatible with the printer in the HP PageWide Printing Supplies Compatibility Guide, regardless of weight, may be used ¹² Based on the BA TEC method with the following possible exceptions: 1 minute or less sleep delay setting, Wi-Fi disabled.

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