

Product guide

# Outstanding quality, fast results



HP LaserJet Enterprise M604, M605, M606 series



April 2015

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# Put quality and speed to work

Keep business moving with the productive HP LaserJet Enterprise M604, M605, and M606 printer series. Tackle high-volume jobs with ease and equip workgroups for success with mobile printing options.<sup>1</sup> Expand capabilities as needs change with this fast and versatile line of printers. Easily manage and safeguard your printing fleet, and help reduce costs and environmental impact.



## HP JetAdvantage

### Business Workflow and Printing Solutions

Streamline crucial business processes and tasks, using powerful HP solutions for printing and imaging. With the latest workflow and productivity tools for efficient fleet management, you can reduce IT workload and costs, boost employee performance, and enable users to print safely—wherever business demands. Learn more at [hp.com/go/printingsolutions](http://hp.com/go/printingsolutions).

## Who can benefit?

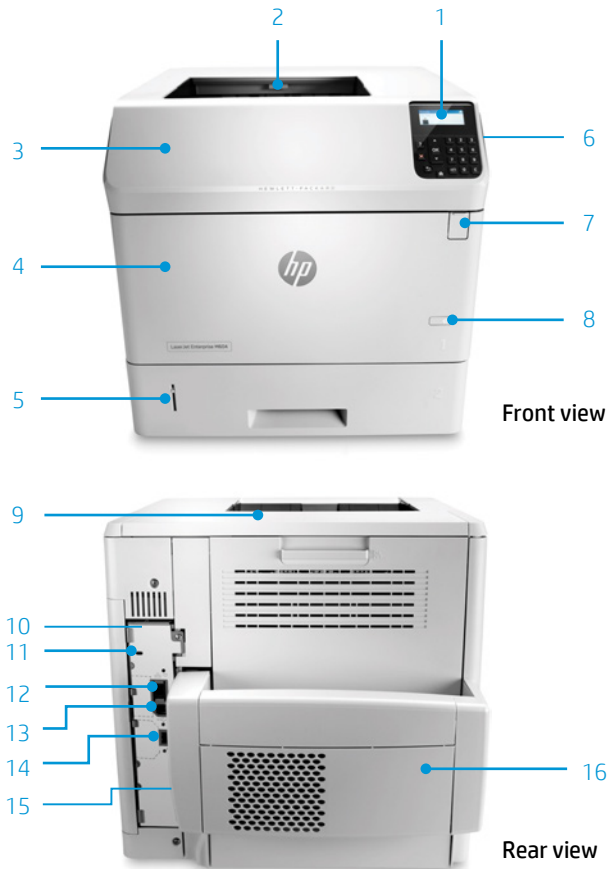
Workgroups of 10 to 25 users printing 5,000 up to a maximum of 20,000 pages per month<sup>2</sup> can share this high-performance printer. Accelerate office productivity with optional paper-handling accessories,<sup>3</sup> a maximum input capacity of 3,600 sheets,<sup>4</sup> and an optional HP High-Performance Secure Hard Disk.<sup>5</sup> Choose the HP LaserJet Enterprise M605x and M606x printers for an intuitive color touchscreen control panel. Keep workgroups covered—in the office and on the road—with easy mobile printing options.<sup>1</sup>



# Product walk around: M604 series

HP LaserJet Enterprise M604dn shown

- 1 4-line LCD control panel with keypad
- 2 600-sheet output bin
- 3 Top cover (access to the toner cartridge)
- 4 100-sheet multipurpose tray 1
- 5 500-sheet input tray 2
- 6 Hardware Integration Pocket (HIP)
- 7 Easy-access USB port
- 8 Convenient front on/off button
- 9 Output accessory cover
- 10 512 MB standard memory (upgradeable to 1.5 GB) and a 1.2 GHz processor
- 11 Access port for optional Kensington-style lock
- 12 Local area network (LAN) Ethernet (RJ-45) network port
- 13 Hi-speed USB 2.0 printing port
- 14 Hi-speed USB 2.0 port for connecting external USB devices
- 15 Power connection
- 16 Built-in automatic two-sided printing



## Series at a glance

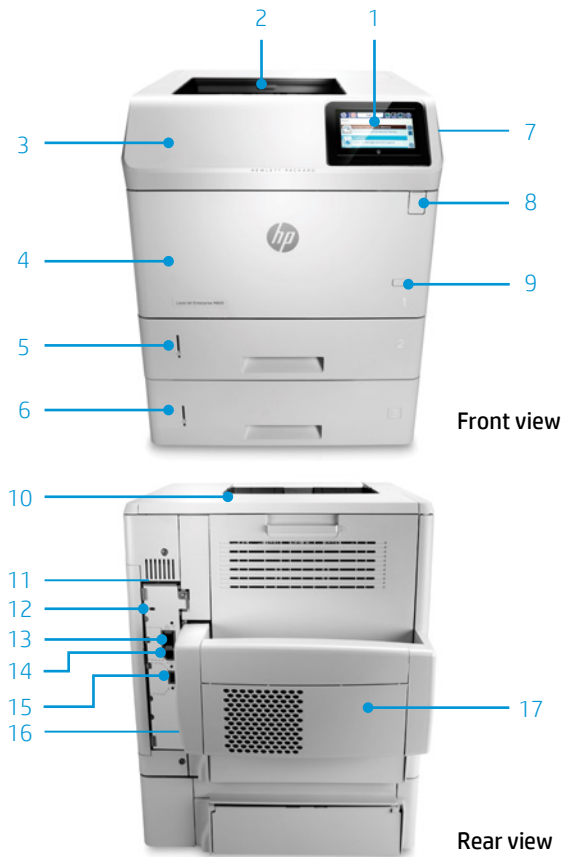


Model	M604n	M604dn
<b>Product number</b>	E6B67A	E6B68A
<b>Print speed in pages per minute (ppm), letter/A4<sup>6</sup></b>	Up to 52/50	Up to 52/50
<b>100-sheet multipurpose tray and 500-sheet tray 2</b>	✓	✓
<b>Up to four 1 x 500-sheet input trays and one 1,500-sheet high-capacity input tray<sup>4</sup></b>	Optional (up to a maximum of 6 trays total)	Optional (up to a maximum of 6 trays total)
<b>Touch-to-print<sup>7</sup> and wireless direct<sup>8</sup> mobile printing</b>	Optional	Optional
<b>HP High-Performance Secure Hard Disk</b>	Optional	Optional
<b>Automatic duplexer</b>	Optional	✓
<b>ENERGY STAR<sup>®</sup> certified</b>	Not available	✓

# Product walk around: M605 series

HP LaserJet Enterprise M605x shown

- 1 Intuitive 4.3-inch (10.9 cm) color touchscreen tilts up for easier viewing
- 2 600-sheet output bin
- 3 Top cover (access to the toner cartridge)
- 4 100-sheet multipurpose tray 1
- 5 500-sheet input tray 2
- 6 500-sheet input tray 3
- 7 Hardware Integration Pocket (HIP)
- 8 Easy-access USB port
- 9 Convenient front on/off button
- 10 Output accessory cover
- 11 512 MB standard memory (upgradeable to 1.5 GB) and a 1.2 GHz processor
- 12 Access port for optional Kensington-style lock
- 13 Local area network (LAN) Ethernet (RJ-45) network port
- 14 Hi-speed USB 2.0 printing port
- 15 Hi-speed USB 2.0 port for connecting external USB devices
- 16 Power connection
- 17 Built-in automatic two-sided printing



## Series at a glance

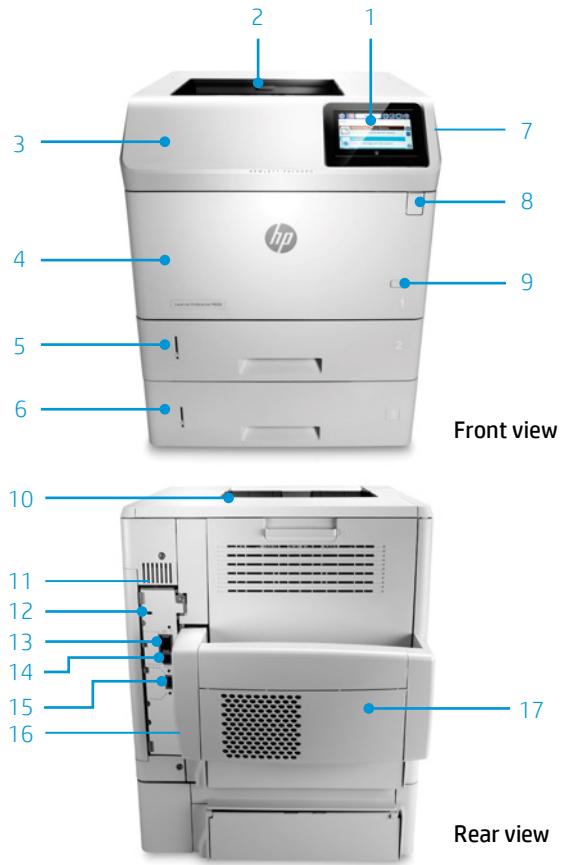


Model	M605n	M605dn	M605x
<b>Product number</b>	E6B69A	E6B70A	E6B71A
<b>Print speed in ppm, letter/A4<sup>6</sup></b>	Up to 58/55	Up to 58/55	Up to 58/55
<b>Control panel</b>	4-line LCD with keypad	4-line LCD with keypad	4.3-inch (10.9 cm) color touchscreen
<b>100-sheet multipurpose tray and 500-sheet tray 2</b>	✓	✓	✓
<b>500-sheet tray 3</b>	Optional	Optional	✓
<b>Up to three 1 x 500-sheet input trays and one 1,500-sheet high-capacity input tray<sup>4</sup></b>	Optional (up to a maximum of 6 trays total)	Optional (up to a maximum of 6 trays total)	Optional (up to a maximum of 6 trays total)
<b>Touch-to-print<sup>7</sup> and wireless direct<sup>8</sup> mobile printing</b>	Optional	Optional	✓
<b>HP High-Performance Secure Hard Disk</b>	Optional	Optional	Optional
<b>Automatic duplexer</b>	Optional	✓	✓
<b>Support for high-capacity toner cartridge<sup>9</sup></b>	✓	✓	✓
<b>ENERGY STAR<sup>®</sup> certified</b>	Not available	✓	✓

# Product walk around: M606 series

HP LaserJet Enterprise M606x shown

- 1 Intuitive 4.3-inch (10.9 cm) color touchscreen tilts up for easier viewing
- 2 600-sheet output bin
- 3 Top cover (access to the toner cartridge)
- 4 100-sheet multipurpose tray 1
- 5 500-sheet input tray 2
- 6 500-sheet input tray 3
- 7 Hardware Integration Pocket (HIP)
- 8 Easy-access USB port
- 9 Convenient front on/off button
- 10 Output accessory cover
- 11 512 MB standard memory (upgradeable to 1.5 GB) and a 1.2 GHz processor
- 12 Access port for optional Kensington style lock
- 13 Local area network (LAN) Ethernet (RJ 45) network port
- 14 Hi-speed USB 2.0 printing port
- 15 Hi-speed USB 2.0 port for connecting external USB devices
- 16 Power connection
- 17 Built-in automatic two-sided printing



## Series at a glance



Model	M606dn	M606x
<b>Product number</b>	E6B72A	E6B73A
<b>Print speed in ppm, letter/A4<sup>6</sup></b>	Up to 65/62	Up to 65/62
<b>Control panel</b>	4-line LCD with keypad	4.3-inch (10.9 cm) color touchscreen
<b>100-sheet multipurpose tray and 500-sheet tray 2</b>	✓	✓
<b>500-sheet tray 3</b>	Optional	✓
<b>Up to three 1 x 500-sheet input feeders and one 1,500-sheet high-capacity input tray<sup>4</sup></b>	Optional (up to a maximum of 6 trays total)	Optional (up to a maximum of 6 trays total)
<b>Touch-to-print<sup>7</sup> and wireless direct<sup>8</sup> mobile printing</b>	Optional	✓
<b>HP High-Performance Secure Hard Disk</b>	Optional	Optional
<b>Automatic duplexer</b>	✓	✓
<b>Support for high-capacity toner cartridge<sup>9</sup></b>	✓	✓
<b>ENERGY STAR<sup>®</sup> certified</b>	✓	✓

# Product comparison: M604 series

The following table compares the new HP LaserJet Enterprise M604 series with the HP LaserJet Enterprise 600 Printer M601 series.



HP LaserJet Enterprise M604dn	HP LaserJet Enterprise 600 Printer M601dn	Benefits
Up to 52 ppm print speed, letter (50 ppm, A4) <sup>6</sup>	Up to 45 ppm print speed, letter (43 ppm, A4)	Save time with 15% faster output
First page out (FPO) as fast as 7.5 seconds; FPO from sleep as fast as 10 seconds <sup>10</sup>	FPO as fast as 8.5 seconds; FPO from sleep as fast as 14 seconds	Get right to work, with a 12% faster FPO from ready and 29% faster FPO from sleep
Recommended monthly print volume (RMPV) of 5,000 pages to as high as 13,000 pages <sup>2</sup>	RMPV of 3,000 pages to as high as 12,000 pages	Rated to print up to 1,000 more pages per month
Standard print cartridge yield of ~10,500 pages <sup>11</sup>	Standard print cartridge yield of ~10,000 pages	Print ~500 more pages before replacing your print cartridge
Maximum memory of 1.5 GB	Maximum memory of 1 GB	500 MB more memory for better performance
Typical electricity consumption (TEC) of 2.719 kWh/Week	TEC of 3.402 kWh/Week	20% less energy usage
Optional wireless direct <sup>8</sup> and touch-to-print <sup>7</sup> capabilities	Not available	Improved efficiency and convenient mobile printing options
Optional HP High Performance Secure Hard Disk available on all models <sup>5</sup>	Not available	Improved print job retention and security
Hardware Integration Pocket (HIP)	Not available	Easier integration of solutions such as wireless direct and touch-to-print module
Quick, accurate Online Help <sup>12</sup>	Not available	Easy access to up-to-date troubleshooting guides from mobile devices or your PC

# Product comparison: M605 series

The following table compares the new HP LaserJet Enterprise M605 series with the HP LaserJet Enterprise 600 Printer M602 series.



HP LaserJet Enterprise M605x	HP LaserJet Enterprise 600 Printer M602x	Benefits
Up to 58 ppm print speed, letter (55 ppm, A4) <sup>6</sup>	Up to 52 ppm print speed, letter (50 ppm, A4)	Save time with 10% faster output
FPO as fast as 7 seconds; FPO from sleep as fast as 10 seconds <sup>10</sup>	FPO as fast as 8.5 seconds; FPO from sleep as fast as 14 seconds	Get right to work, with a 12% faster FPO from ready and 29% faster FPO from sleep
RMPV of 5,000 pages to as high as 16,000 pages <sup>2</sup>	RMPV of 3,000 pages to as high as 15,000 pages	Rated to print up to 1,000 more pages per month
Standard print cartridge yield of ~10,500 pages and high-capacity cartridge yield of ~25,000 pages <sup>9,11</sup>	Standard print cartridge yield of ~10,000 pages and high-capacity cartridge yield of ~24,000 pages	Print up to ~1,000 more pages before replacing your print cartridge
Maximum memory of 1.5 GB	Maximum memory of 1 GB	500 MB more memory for better performance
TEC of 2.926 kWh/Week	TEC of 3.763 kWh/Week	22% less energy usage
Standard wireless direct <sup>8</sup> and touch-to-print <sup>7</sup> capabilities	Not available	Improved efficiency and convenient mobile printing options
Optional HP High Performance Secure Hard Disk available on all models <sup>5</sup>	Not available	Improved print job retention and security
4.3-inch (10.9 cm) articulating color touchscreen control panel	4-line color display	Improved ease of use
Quick, accurate Online Help <sup>12</sup>	Not available	Easy access to up-to-date troubleshooting guides from mobile devices or your PC



# Product comparison: M606 series

The following table compares the new HP LaserJet Enterprise M606 series with the HP LaserJet Enterprise 600 Printer M603 series.



HP LaserJet Enterprise M606x	HP LaserJet Enterprise 600 Printer M603xh	Benefits
Up to 65 ppm print speed, letter (62 ppm, A4) <sup>6</sup>	Up to 62 ppm print speed, letter (60 ppm, A4)	Save time with 5% faster output
FPO as fast as 7 seconds; FPO from sleep as fast as 10 seconds <sup>10</sup>	FPO as fast as 8.5 seconds; FPO from sleep as fast as 14 seconds	Get right to work, with a 12% faster FPO from ready and 29% faster FPO from sleep
Standard print cartridge yield of ~10,500 pages and high-capacity cartridge yield of ~25,000 pages <sup>9,11</sup>	Standard print cartridge yield of ~10,000 pages and high-capacity cartridge yield of ~24,000 pages	Print up to ~1,000 more pages before replacing your print cartridge
Maximum memory of 1.5 GB	Maximum memory of 1 GB	500 MB more memory for better performance
TEC of 3.328 kWh/Week	TEC of 4.368 kWh/Week	25% less energy usage
Standard wireless direct <sup>8</sup> and touch-to-print <sup>7</sup> capabilities	Not available	Improved efficiency and convenient mobile printing options
Optional HP High Performance Secure Hard Disk available on all models <sup>5</sup>	Available only on M603xh model	Improved print job retention and security
4.3-inch (10.9 cm) articulating color touchscreen control panel	4-line color display	Improved ease of use
Quick, accurate Online Help <sup>12</sup>	Not available	Easy access to up-to-date troubleshooting guides from mobile devices or your PC

# Key benefits at a glance

Enjoy outstanding quality from a fast, reliable, and efficient printer. Print in the office or on-the-go with simple mobile printing options. Manage your entire fleet with ease and upgrade your device as your business needs change.



## Take productivity to the next level

- Simplify everyday printing. Equip employees with an easy-to-use control panel.<sup>13</sup>
- Spend more time on what's important and less time loading paper with a maximum input capacity of 3,600 pages<sup>4</sup> and automatic two-sided printing options.<sup>13</sup>
- Improve workgroup efficiency with optional paper-handling accessories that can help users finish jobs faster.<sup>3</sup>
- Easily print from virtually anywhere in the office with Ethernet and optional wireless connectivity.<sup>14</sup>



## Meet business needs in the office and beyond

- Empower your employees with the freedom and convenience of optional or built-in wireless direct and touch-to-print capabilities.<sup>7,8</sup>
- Easily print from a variety of mobile devices—generally no setup or apps required.<sup>1</sup>



## Advanced capabilities, easy management

- Easily expand this printer as solutions advance and workgroup needs grow with innovation that helps your device stay up-to-date long into the future.
- Protect sensitive data—at rest or in transit—with a variety of embedded and optional security solutions.<sup>5</sup>
- Easily manage your printing environment from one central location with HP Web Jetadmin.<sup>15</sup>



## Less energy, more efficiency and savings

- Save energy by making sure your printer is on when you need it and off when you don't with HP Auto-On/Auto-Off technology.<sup>16</sup>
- Print smarter with this printer's best-in-class energy efficiency.<sup>17</sup>
- Save time and money with lightweight HP EcoFFICIENT paper.
- Designed to conserve—this printer is ENERGY STAR® certified.<sup>18</sup>

# Take productivity to the next level



## Customize your printer and get just the features you need

In addition to the standard printer features, add any of the following optional features to any model and get the device that fits your office:

- Automatic two-sided printing (standard on x and dn models)
- A custom media cassette to add support for more paper sizes and types<sup>3</sup>
- Additional paper input trays and optional stand for a maximum of 3,600 pages<sup>4</sup>
- Finishing options like a 500-sheet stapler/stacker, or a 500-sheet, 5-bin mailbox<sup>3</sup>
- 1 GB additional memory for a total of 1.5 GB
- 2 internal USB ports
- HP Jetdirect 3000w NFC/wireless direct accessory<sup>7,8</sup> (standard on x models)
- Wireless networking<sup>14</sup>
- Encrypted HP High-Performance Secure Hard Disk<sup>5</sup>

For more information, see “Ordering information” on page 19.

Set a fast pace with this versatile printer’s impressive print speeds of up to 65 pages per minute.<sup>6</sup> Easily meet complex, high-volume demands with a maximum input capacity of up to 3,600 pages and a variety of paper finishing options.<sup>3,4</sup>



## Easy operation and control at a touch

Monitor jobs and settings directly at the printer using the 4-line display and 10-key pad on the n and dn models. Choose the M605x or M606x printer to equip employees to fly through tasks from an intuitive 4.3-inch (10.9 cm) color touchscreen. Help ensure documents land in the right hands with PIN printing—available on all models.



## Think about work, not reloading paper

Meet high volume demands, effortlessly. Automatic two-sided printing options and versatile paper tray options—giving users up to 3,600-sheet maximum input capacity<sup>4</sup>—mean fewer trips to reload and more time for business.<sup>13</sup>



## Get back to work quickly

Improve workgroup efficiency. Have jobs presorted and stapled, print on a variety of media sizes, and make business mailing simple and professional with additional paper-handling accessories.<sup>3</sup>



## High yield, low intervention

Print without interruptions for longer. Choose optional high-yield Original HP LaserJet cartridges on the M605 and M606 series for more professional-quality pages and spend less time replacing toner cartridges.<sup>9</sup>



## Speed through tasks with a fast and efficient printer

This HP LaserJet device prints with impressive speed—starting at up to 52 ppm, letter (50 ppm, A4) with the M604 series, and accelerating to 58 ppm, letter (55 ppm, A4) with the M605 and 65 ppm, letter (62 ppm, A4) with the M606 series.<sup>6</sup> Large print jobs are completed quickly, while still maintaining consistently great looking black-and-white output. Choose HP ImageREt 3600 for speedy day-to-day printing or HP ProRes 1200 for true 1200 by 1200 dpi where fine lines and details are critical to your job.



## Extend your printing reach

Use Gigabit Ethernet to share printing resources on a network, or print from virtually anywhere in the office with optional wireless connectivity.<sup>14</sup>



## Quick, accurate online help

Quickly troubleshoot technical issues using innovative, cloud-based help services that are relevant and up to date. Easily solve problems from your PC or mobile device.<sup>12</sup> A convenient Quick Response (QR) code on the printer’s control panel links directly to specific troubleshooting pages with instructions that are easy to follow.

# Meet business needs in the office and beyond



Business is mobile, and so is your workforce. Keep them covered—at their desk, on the way to the office, or stepping off a plane for an important meeting—with easy printing options from mobile devices.<sup>1</sup>



## Print without wires from mobile devices

Enable wireless direct printing from virtually anywhere in the office from smartphones, tablets, and notebook PCs.<sup>8</sup> Or, walk up and print with a touch of your NFC-enabled smartphone or tablet to this printer.<sup>7</sup> (On Android™ devices, NFC touch-to-print is enabled via the HP ePrint app.) The HP LaserJet Enterprise M605x and M606x come with these features built-in, but every model can add them via an optional accessory.

There's no need to search through a long list of devices—automatically discover the nearest printer without accessing your corporate network. Security and user access settings—like encryption and a configurable passphrase—can be easily set up with HP Web Jetadmin<sup>15</sup> or the HP Embedded Web Server.



## Print from a wide range of mobile devices

Easily print documents, emails, PDFs, and more from iPhones® and iPads® as well as smartphones and tablets running iOS, Android, Windows® 8, and Google™ Chrome™ operating systems—generally no setup or apps required.<sup>1</sup> Simply open and preview the content you want to print, select your printer, and hit Print. For mobile devices without built-in print support, users will first need to download the HP ePrint app or HP ePrint software.<sup>19</sup>



## Enable mobile printing—anytime, anywhere

Even when employees are traveling, a printer can always be close at hand—with HP ePrint<sup>19</sup> and more than 30,000 HP Public Print Locations. Empower them to print virtually anywhere from a smartphone, tablet, or notebook.<sup>1</sup>

## HP JetAdvantage Mobile Print Solutions

Choose the HP mobile print solution that fits your business needs.

Learn more at:

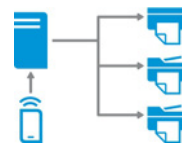
[hp.com/go/businessmobileprinting](http://hp.com/go/businessmobileprinting)



### Wi-Fi mobile printing

Simple options for employees to print from their mobile device

- Print via the wireless network
- Or use wireless direct or NFC touch-to-print for a secure peer-to-peer connection
- Generally no apps to download
- Supported on new and existing HP devices



### HP ePrint Enterprise

HP's enterprise solution for secure mobile printing within the firewall

- Advanced management and tracking
- Seamless integration with other solutions
- Print via app, email, or native print path
- Multi-vendor device support

## Advanced capabilities, easy management



### Print only what you need—straight to the right hands

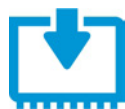
Increase security, restore control, and help avoid additional expenses. HP JetAdvantage Private Print<sup>20</sup> helps prevent unauthorized access to confidential print jobs and gives users the flexibility to pick up jobs at any compatible device. For more information, visit [hpjetadvantage.com/ondemand](http://hpjetadvantage.com/ondemand).

Streamline fleet management while giving workgroups the tools to support larger business initiatives. Extend your print capabilities as business evolves and customize new solutions seamlessly. Safeguard data, documents, and the printer with a full suite of top-tier, embedded and optional HP JetAdvantage security features and solutions.



### Do more with your investment

Easily expand and update this printer as solutions advance and workgroup needs grow. HP's cost-effective solution for hardware upgrades—the Hardware Integration Pocket—allows you to integrate optional secure mobile printing or authentication solutions, such as card and badge readers. And HP's Open Extensibility Platform (OXP) creates a unified environment for software solutions that run on your HP Enterprise devices—providing sound investment protection, consistency for end users, and easier management.



### Work with the future in mind

HP FutureSmart Firmware lets you upgrade this printer on your schedule, whenever solutions advance. Add new features—such as workflow and security enhancements—without having to purchase new hardware. A consistent user interface and menu design across all HP FutureSmart devices—including the HP LaserJet Enterprise M604, M605, and M606 series—makes the user experience intuitive and familiar. To learn more, visit [hp.com/go/futuresmart](http://hp.com/go/futuresmart).



### Safeguard your data and devices

This HP Enterprise printer comes with more than 100 embedded settings to help safeguard your sensitive business information. Use the optional HP JetAdvantage Security Manager (formerly HP Imaging and Printing Security Center) to apply efficient, fleet-wide security policies to protect all your HP print devices.<sup>21</sup>

Add another layer of protection and further safeguard information in transit over the network and stored on the printer—keys, passwords, certificates and more—using the optional encrypted HP High-Performance Secure Hard Disk<sup>5</sup> and HP Trusted Platform Module.<sup>22</sup>

For more information, see Appendix B, “Security features” on page 21.



### Streamline fleet management

Take command of your printing environment with HP Web Jetadmin, an HP JetAdvantage Management Solution. Easily add new devices and solutions, update features, and apply corporate policies—all from one central location.<sup>15</sup>

The HP Universal Print Driver (UPD) is the single driver that gives users instant access to a range of HP print devices without downloading separate drivers.<sup>23</sup>

For more information, see Appendix A, “Fleet management features” on page 20.

# Less energy, more efficiency and savings



**This efficient HP LaserJet printer consumes less energy than any device in its class.<sup>17</sup>**

Shrink your energy use while helping your company save money. This HP LaserJet Enterprise printer is designed for low energy consumption. Keep the printing process efficient and produce less waste.



## Use only the resources you need

With its intelligent design, this printer can help you meet your energy goals, without sacrificing performance:

- HP Auto-On/Auto-Off Technology turns your printer on when you need it and off when you don't.<sup>16</sup>
- With Instant-on Technology, the fuser warms rapidly and cools quickly, helping you conserve energy.<sup>24</sup>
- Support for thin media allows users to print on papers as light as 16 lb bond (60 g/m<sup>2</sup>). Help save your business time and money with lightweight HP EcoFFICIENT paper. Refill trays less often and minimize waste.
- With automatic two-sided printing (standard on x and dn models) you can get up to 50% paper savings. Use HP Web Jetadmin<sup>15</sup> and HP UPD<sup>23</sup> to set two-sided printing as the default for one device or an entire fleet.



## Work and print more efficiently

In addition to this printer's energy-saving features, the dn and x models are ENERGY STAR<sup>®</sup> certified. HP products with the ENERGY STAR<sup>®</sup> logo are qualified to the U.S. Environmental Protection Agency's ENERGY STAR<sup>®</sup> specifications. Additional information is listed at: [hp.com/go/energystar](http://hp.com/go/energystar).



## Reduce your impact—recycle HP cartridges

HP helps you recycle your Original HP cartridges—it's easy and convenient with the HP Planet Partners program, available in more than 50 countries and territories around the world.<sup>25</sup>

No Original HP cartridges returned through HP Planet Partners are ever sent to a landfill. For more information, visit [hp.com/recycle](http://hp.com/recycle).

# Technical specifications

	HP LaserJet Enterprise M604 series	HP LaserJet Enterprise M605 series	HP LaserJet Enterprise M606 series
<b>Product number</b>	M604n: E6B67A M604dn: E6B68A	M605n: E6B69A M605dn: E6B70A M605x: E6B71A	M606dn: E6B72A M606x: E6B73A
<b>Control panel</b>	M604n, M604dn, M605n, M605dn, and M606dn: 4-line color LCD display, 3 LED lights (Ready, Data, Attention), buttons (Information, Stop/Cancel, Return, Home, Folder, Clear), 10-key numeric keypad		
		M605x, M606x: 4.3-inch (10.9 cm) color WQVGA (480 x 272 resolution) touchscreen display; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu)	
<b>Print speed<sup>6</sup></b>	Up to 52 ppm, letter (50 ppm, A4) Duplex (optional for M604n): up to 35 images per minute (ipm), letter (33 ipm, A4)	Up to 58 ppm, letter (55 ppm, A4) Duplex (optional for M605n): up to 38 ipm, letter (36 ipm, A4)	Up to 65 ppm, letter (62 ppm, A4) Duplex: up to 43 ipm, letter (41 ipm, A4)
<b>First page out<sup>10</sup></b>	As fast as 7.5 seconds from ready (letter/A4)	As fast as 7 seconds from ready (letter/A4)	
<b>Print resolution</b>	HP ImageREt 3600 (600 x 600 dpi); ProRes 1200 (1200 x 1200 dpi)		
<b>Printer advanced features</b>	HP FutureSmart Firmware, Open Extensibility Platform, easy-access USB (supported file formats: PDF, PS, Print Ready files (.prn, .pcl, .cht))		
<b>Processor</b>	1.2 GHz		
<b>Memory</b>	512 MB standard (expandable to 1.5 GB through one 90-pin SDRAM slot)		
<b>Storage</b>	4 GB non-volatile storage; Firmware encryption (AES 128 or AES 256) of customer/job data; Secure Cryptographic Erase – Job Data, Secure Erase – Disk Optional: HP High-Performance Secure Hard Disk, minimum 500 GB; AES 256 hardware encryption or greater; Secure erase capabilities (Secure File Erase – Temporary Job Files, Secure Erase – Job Data, Secure ATA Erase – Disk)		
<b>Durability ratings</b>			
RMPV <sup>2</sup>	5,000 pages to as high as 13,000 pages	5,000 pages to as high as 16,000 pages	5,000 pages to as high as 20,000 pages
Duty cycle <sup>26</sup>	Up to 175,000 pages (letter/A4)	Up to 225,000 pages (letter/A4)	Up to 275,000 pages (letter/A4)
<b>Media specifications</b>			
Input capacity <sup>4</sup>	M604n, M604dn, M605n, M605dn, and M606dn: Up to 600 sheets standard, up to 3,600 sheets maximum (with optional input accessories) Tray 1: up to 100 sheets Tray 2: up to 500 sheets		
		M605x, M606x: up to 1,100 sheets standard, up to 3,600 sheets maximum (with optional input accessories) Tray 1: up to 100 sheets Tray 2: up to 500 sheets Tray 3: up to 500 sheets	
Output capacity <sup>3</sup>	Up to 600 sheets standard, up to 1,100 sheets maximum (with optional finishing accessories)		
Two-sided printing	M604n: Manual (Automatic optional) M604dn: Automatic	M605n: Manual (Automatic optional) M605dn, M605x: Automatic	M606dn, M606x: Automatic
Media sizes	Tray 1: letter, legal, 5 x 8 in, 8.5 x 13 in, statement, executive, postcard, 3 x 5 in, 4 x 6 in, 5 x 7 in, US postcard, envelopes (commercial No. 9, No. 10, Monarch); A4, A5, A6, B5 (JIS), B6 (JIS), 16K, D postcard, executive (JIS), RA4, 10 x 15 cm, envelopes (DL ISO, C5 ISO, C6 ISO, B5 ISO); Custom media sizes: 3 x 5 to 8.5 x 14 in (76 x 127 to 216 x 356 mm) Tray 2, optional trays 3-6, duplex <sup>13</sup> : letter, legal, 8.5 x 13 in, executive; A4, A5, RA4, B5 (JIS), 16K, executive (JIS); Custom media sizes: 5.83 x 8.27 to 8.5 x 14 in (148 x 210 to 216 x 356 mm)		

	HP LaserJet Enterprise M604 series	HP LaserJet Enterprise M605 series	HP LaserJet Enterprise M606 series
Media weights	Tray 1: 16 to 53 lb bond (60 to 200 g/m <sup>2</sup> ) Tray 2, optional trays 3-6, duplexer <sup>13</sup> : 16 to 32 lb bond (60 to 120 g/m <sup>2</sup> )		
Media types	Paper (bond, color, letterhead, plain, preprinted, prepunched, recycled, rough, light), envelopes, labels, cardstock, transparencies, shelf edge labels, user-defined		
<b>Print languages</b>	HP PCL 6, HP PCL 5e, HP postscript level 3 emulation, native PDF printing (v 1.7)		
<b>Fonts</b>	105 internal TrueType fonts scalable in HP PCL, 92 internal scalable fonts in HP postscript Level 3 emulation (Euro symbol built-in), 1 internal Unicode Fonts (Andale Mono WorldType), 2 Internal Windows Vista® 8 Fonts (Calibri, Cambria), additional font solutions available via third-party flash memory cards, HP LaserJet Fonts and IPDS Emulation available at <a href="http://hp.com/go/laserjetfonts">hp.com/go/laserjetfonts</a>		
<b>Connectivity</b>	2 Hi-Speed USB 2.0 Host, 1 Hi-Speed USB 2.0 Device, 1 Gigabit Ethernet 10/100/1000T network, 1 Hardware Integration Pocket (HIP) Optional: 2 internal USB ports		
<b>Mobile printing</b>	Standard: HP ePrint, Apple AirPrint, <sup>27</sup> Mobile Apps, Mopria certified Optional (standard on M605x and M606x): wireless direct printing, <sup>8</sup> NFC touch-to-print <sup>7</sup>		
<b>Network capabilities</b>	Standard: Via HP Jetdirect Ethernet embedded print server which supports: 10Base-T, 100Base-Tx, 1000Base-T; 802.3az (EEE) support on Fast and Gigabit Ethernet links; IPsec Optional: 802.11b/g/n wireless networking <sup>14</sup>		
<b>Network protocols</b>	IPv4/IPv6: Apple Bonjour Compatible (Mac OS 10.2.4 and later), SNMPv1/v2c/v3, HTTP, HTTPS, FTP, TFTP, Port 9100, LPD, WS Discovery, IPP, Secure-IPP, IPsec/Firewall IPv6: DHCPv6, MLDv1, ICMPv6 IPv4: Auto-IP, SLP, Telnet, IGMPv2, BOOTP/DHCP, WINS, IP Direct Mode, WS Print Other: NetWare NDS, Bindery, NDPS, iPrint		
<b>Security</b>	Identity management: Kerberos authentication, LDAP authentication, 1000 user PIN codes, optional HP and third party advanced authentication solutions (e.g., badge readers) Network: IPsec/firewall with Certificate, Pre-Shared Key, and Kerberos authentication, supports WJA-10 IPsec configuration Plug-in, 802.1X authentication (EAP-PEAP, EAP-TLS), SNMPv3, HTTPS, Certificates, Access Control List Data: Storage Encryption, Encrypted PDF and Email (uses FIPS 140 validated cryptographic libraries from Microsoft®), Secure Erase, SSL/TLS (HTTPS), Encrypted Credentials Device: Security lock slot, USB port disablement, Hardware Integration Pocket for security solutions Security management: Compatible with HP JetAdvantage Security Manager <sup>21</sup>		
<b>Printer management</b>	Windows: Printer Administrator Resource Kit (Driver Configuration Utility, Driver Deployment Utility, Managed Printing Administrator), HP Web JetAdmin software, HP Proxy Agent software, HP JetAdvantage Security Manager <sup>21</sup> Mac: HP Utility		
<b>Compatible operating systems<sup>28</sup></b>	Windows OS compatible with In-Box Driver: Windows XP SP3 all 32-bit editions (XP Home, XP Pro, etc.), Windows Vista all 32-bit editions (Home Basic, Premium, Professional, etc.), Windows 7 all 32- and 64-bit editions, Windows 8/8.1 all 32- and 64-bit editions (excluding RT OS for Tablets), Windows 10 all 32- and 64-bit editions (excluding RT OS for Tablets) Windows OS compatible with Universal Print Driver (from <a href="http://hp.com">hp.com</a> ): Windows XP SP3 32- and 64-bit editions (XP Home, XP Pro, etc.), Windows Vista all 32- and 64-bit editions (Home Basic, Premium, Professional, etc.), Windows 7 all 32- and 64-bit editions, Windows 8/8.1 all 32- and 64-bit editions (excluding RT OS for Tablets), Windows 10 all 32- and 64-bit editions (excluding RT OS for Tablets) Mac OS (HP Print Drivers available from <a href="http://hp.com">hp.com</a> and Apple Store): OS X 10.7 Lion, OS X 10.8 Mountain Lion, OS X 10.9 Mavericks, OS X 10.10 Yosemite Mobile OS (In-OS drivers): iOS, Android, Windows 8/8.1/10 RT Linux OS (In-OS HPLIP): SUSE Linux (12.2, 12.3, 13.1), Fedora (17, 18, 19, 20), Linux Mint (13, 14, 15, 16, 17), Boss (3.0, 5.0), Ubuntu (10.04, 11.10, 12.04, 12.10, 13.04, 13.10, 14.04, 14.10), Debian (6.0.x, 7.x) Other OS: UNIX		
<b>System requirements, PC</b>	Compatible operating system (see above); 200 MB available hard disk space; CD-ROM or DVD drive, or Internet connection; Dedicated universal serial bus (USB 1.1 or 2.0), or network connection or wireless connection; Operating system compatible hardware (for requirements see <a href="http://microsoft.com">microsoft.com</a> )		
<b>System requirements, Mac</b>	Compatible operating system (see above); 1 GB of available hard disk space; Internet connection; Dedicated universal serial bus (USB 1.1 or 2.0); Operating system compatible hardware (for requirements see <a href="http://apple.com">apple.com</a> )		



	<b>HP LaserJet Enterprise M604 series</b>	<b>HP LaserJet Enterprise M605 series</b>	<b>HP LaserJet Enterprise M606 series</b>
<b>Dimensions, minimum (width x depth x height)</b>	M604n: 16.7 x 17.8 x 15.7 in (425 x 451 x 399 mm)  M604dn: 16.7 x 21.1 x 15.7 in (425 x 537 x 399 mm)	M605n: 16.7 x 17.8 x 15.7 in (425 x 451 x 399 mm)  M605dn: 16.7 x 21.1 x 15.7 in (425 x 537 x 399 mm)  M605x: 16.7 x 21.1 x 20.5 in (425 x 537 x 521 mm)	M606dn: 16.7 x 21.1 x 15.7 in (425 x 537 x 399 mm)  M606x: 16.7 x 21.1 x 20.5 in (425 x 537 x 521 mm)
<b>Dimensions, maximum (width x depth x height)</b>	16.7 x 33 x 22.5 in (425 x 840 x 574 mm)	M605n, M605dn: 16.7 x 33 x 22.5 in (425 x 840 x 574 mm)  M605x: 16.7 x 33 x 27.4 in (425 x 840 x 695 mm)	M606dn: 16.7 x 33 x 22.5 in (425 x 840 x 574 mm)  M606x: 16.7 x 33 x 27.4 in (425 x 840 x 695 mm)
<b>Weight (with cartridges)</b>	M604n: 49.7 lbs (22.6 kg)  M604dn: 57 lbs (25.9 kg)	M605n: 49.7 lbs (22.6 kgs)  M605dn: 57 lbs (25.9 kgs)  M605x: 71.5 lbs (32.5 kgs)	M606dn: 57 lbs (25.9 kgs)  M606x: 71.5 lbs (32.5 kgs)
<b>What's in the box</b>	HP LaserJet Printer, HP Black LaserJet Toner Cartridge (~10,500 pages), <sup>11</sup> CD with software drivers and documentation, Documentation (Hardware Install Guide), Power cord, Support flyer		
	M604dn: Plus automatic duplexer (built-in)	M605dn: Plus automatic duplexer (built-in)  M605x: Plus automatic duplexer (built-in), 500-sheet input tray 3	M606dn: Plus automatic duplexer (built-in)  M606x: Plus automatic duplexer (built-in), 500-sheet input tray 3
<b>Software included</b>	Windows: HP Software Installer/Uninstaller, HP PCL 6 printer driver, HP Device Experience (DXP), HP Update, Product Registration Assist, HP Web Services Assist (HP Connected), Online user manuals  Mac: Welcome Screen (directs users to <a href="http://hp.com">hp.com</a> ) or OS App Store for LaserJet software)		
<b>Downloadable software</b>	From <a href="http://123.hp.com">123.hp.com</a> : HP Easy Start (Guided Software Install for Windows and Mac)  From <a href="http://hp.com">hp.com</a> for Windows OS: Full-solution software and drivers (same solution as "Software included" above), HP PCL 6 print driver only (no installer; for "Add printer" installs), HP PCL 6 print driver with installer, Product Documentation and Support  From <a href="http://hp.com">hp.com</a> for Mac OS: Full-solution software and drivers  For Mobile OS: see "HP Mobile Printing" ( <a href="http://hp.com/us/en/ads/mobility/overview.html">hp.com/us/en/ads/mobility/overview.html</a> )  From In-OS app stores: HP recommended printer drivers and software  From <a href="http://hp.com">hp.com</a> for printer administrators: Printer Administrator Resource Kit (Driver Configuration Utility, Driver Deployment Utility, Managed Printing Administrator), HP Universal Print Drivers (PCL 6, PCL 5 and PS for Windows), HP ePrint Software (ePrint Mobile Driver for Windows), Linux/Unix Print Drivers, SAP (PCL 5 and PS Print Drivers), HP Web Jetadmin Software, HP Proxy Agent Software, HP JetAdvantage Security Manage <sup>21</sup>		
<b>Warranty</b>	HP one-year onsite warranty backed by HP Customer Care with 24 x 7 web support and business hour phone support		
<b>HP SureSupply supported</b>	HP SureSupply alerts you when your print cartridge is running low and helps you purchase online or locally through HP or a participating retailer. Only available with Original HP supplies; Internet access required. To learn more, visit <a href="http://hp.com/go/SureSupply">hp.com/go/SureSupply</a> .		

## Environmental and power specifications

	HP LaserJet Enterprise M604 series	HP LaserJet Enterprise M605 series	HP LaserJet Enterprise M606 series
<b>Environmental ranges</b>			
Temperatures	Operating: 59 to 89.6° F (15 to 32° C); Storage: -22 to 140° F (-30 to 60° C); Recommended: 59 to 89.6° F (15 to 32° C)		
Relative humidity range	Operating: 10 to 80% RH; Non-operating: 10 to 90% RH; Recommended: 30 to 70% RH		
<b>Acoustic power emissions<sup>29</sup></b>	Ready mode: 4.2 B(A); Active printing: 7.1 B(A)		
<b>Acoustic pressure emissions (bystander)</b>	Ready mode: 28 dB(A); Active printing: 56 dB(A)	Ready mode: 27 dB(A); Active printing: 56 dB(A)	
<b>Power specifications<sup>30</sup></b>			
Power supply required	110-volt input voltage: 100 to 127 VAC (+/- 10%), 50/60 Hz (+/- 3 Hz) 220-volt input voltage: 220 to 240 VAC (+/- 10%), 50/60 Hz (+/- 3 Hz)		
Power consumption	Printing: 720 watts; Sleep: 3.9 watts; Auto-Off/Wake on LAN: 0.7 watts; Manual Off: <0.1 watts; Auto-Off/Manual On: <0.1 watts	Printing: 840 watts; Sleep: 3.7 watts; Auto-Off/Wake on LAN: 0.7 watts; Manual Off: <0.1 watts; Auto-Off/Manual On: <0.1 watts	Printing: 870 watts; Sleep: 3.7 watts; Auto-Off/Wake on LAN: 0.7 watts; Manual Off: <0.1 watts; Auto-Off/Manual On: <0.1 watts
Typical Electricity Consumption (TEC)	2.719 kWh/week	2.926 kWh/week	3.328 kWh/week
Energy-saving features	HP Auto-On/Auto-Off Technology, <sup>16</sup> Instant-On Technology		
<b>Environmental specifications</b>	Mercury free		
<b>Safety and regulatory compliance</b>	IEC 60950-1:2005 +A1; EN60950-1: 2006 +A1 1:2009 +A1:2010 +A12:2011; IEC 60825-1:2007 (Class 1 Laser/Led Product); EN 60825-1:2007 (Class 1 Laser/LED Product); UL/cUL Listed (USA/Canada); GS Certificate (Germany, Europe); IEC 62479:2010; EN 62479:2010; Low Voltage Directive 2006/95/EC with CE Marking (Europe); other safety approvals as required by individual countries		
<b>Electromagnetic emission standard</b>	CISPR 22:2008 / EN 55022:2010 (Class A), EN 61000-3-2 :2006 +A1:2009 +A2:2009, EN 61000-3-3 :2008, EN 55024:2010, FCC Title 47 CFR, Part 15 Class A (USA), ICES-003, Issue 4 (Canada), EMC Directive 2004/108/EC with CE Marking (Europe), other EMC approvals as required by individual countries		

# Ordering information

Use accessories and supplies specifically designed for the printer to help provide efficient performance. To order the accessories and supplies listed here, go to [hp.com](http://hp.com). To contact HP by country, please visit [hp.com/country/us/en/cs/contact-hp/contact.html](http://hp.com/country/us/en/cs/contact-hp/contact.html).

If you don't have access to the Internet, contact your qualified HP dealer, or call HP (U.S.) at (800) 282-6672.

<b>Product</b>	HP LaserJet Enterprise M604n	E6B67A
	HP LaserJet Enterprise M604dn	E6B68A
	HP LaserJet Enterprise M605n	E6B69A
	HP LaserJet Enterprise M605dn	E6B70A
	HP LaserJet Enterprise M605x	E6B71A
	HP LaserJet Enterprise M606dn	E6B72A
	HP LaserJet Enterprise M606x	E6B73A
<b>Supplies</b>	HP 81A Black Original LaserJet Toner Cartridge (~10,500 pages) <sup>11</sup>	CF281A
	HP 81X High Yield Black Original LaserJet Toner Cartridge (~25,000 pages) <sup>9,11</sup>	CF281X
	HP Staple Cartridge Refill	Q3216A
	HP LaserJet Printer 110V Maintenance Kit <sup>31</sup>	F2G76A
	HP LaserJet Printer 220V Maintenance Kit <sup>31</sup>	F2G77A
<b>Accessories</b>	HP LaserJet 500-sheet Input Tray Feeder <sup>4</sup>	F2G68A
	HP LaserJet Printer Stand	F2G70A
	HP LaserJet 500-sheet Stacker Stapler	F2G72A
	HP LaserJet 1,500-sheet Input Tray <sup>4</sup>	F2G73A
	HP LaserJet 500-sheet 5-Bin Mailbox	F2G81A
	HP LaserJet 75-sheet Envelope Feeder	F2G74A
	HP High-Performance Secure Hard Disk Drive	B5L29A
	HP 1 GB 90-Pin DDR3 Slim DIMM	G6W84A
	HP LaserJet Automatic Duplexer	F2G69A
	HP LaserJet Custom Media Cassette Accessory	F2G75A
	HP Two Internal USB Ports	B5L28A
	HP Trusted Platform Module	F5S62A
	HP Jetdirect 3000w NFC/Wireless Accessory <sup>32</sup>	J8030A
	HP Jetdirect 2900nw Print Server <sup>32</sup>	J8031A
<b>HP Care Pack Services</b>	Make sure your printing investments are protected with HP Care Pack Services. Pick your package of services to keep your printer running and your business moving. Now your office can spend less time troubleshooting, and more time getting things done. <sup>33</sup>	
	HP 3-year Next Business Day + Defective Media Retention LaserJet M604 Hardware Support	U8CM9E
	HP 3-year 4-hour 13x5 + Defective Media Retention LaserJet M604 Hardware Support	U8CN1E
	HP 3-year Next Business Day Exchange + Defective Media Retention LaserJet M604 Service	U8CN2E
	HP 3-year 4-hour 9x5 + Defective Media Retention LaserJet M604 Hardware Support	U8CN0E
	HP 3-year Defective Media Retention LaserJet M604 Service	U8CN3E
	HP 3-year Next Business Day + Defective Media Retention LaserJet M605 Hardware Support	U8CR0E
	HP 3-year 4-hour 13x5 + Defective Media Retention LaserJet M605 Hardware Support	U8CR2E
	HP 3-year Next Business Day Exchange + Defective Media Retention LaserJet M605 Service	U8CR3E
	HP 3-year 4-hour 9x5 + Defective Media Retention LaserJet M605 Hardware Support	U8CR1E
	HP 3-year Return + Defective Media Retention LaserJet M605 Service	U8CR4E
	HP 3-year Next Business Day + Defective Media Retention LaserJet M606 Hardware Support	U8CJ8E
	HP 3-year 4-hour 13x5 + Defective Media Retention LaserJet M606 Hardware Support	U8CK0E
	HP 3-year Next Business Day Exchange + Defective Media Retention LaserJet M606 Service	U8CK1E
	HP 3-year 4-hour 9x5 + Defective Media Retention LaserJet M606 Hardware Support	U8CJ9E
	HP 3-year Return + Defective Media Retention LaserJet M606 Service	U8CK2E
	Installation for 1 Network Configuration for Personal or Workgroup printer	UC742E
<b>Paper</b>	North America: <a href="http://hp.com/go/paper">hp.com/go/paper</a>	
<b>Solutions</b>	HP Web Jetadmin: <a href="http://hp.com/go/wja">hp.com/go/wja</a>	
	HP Universal Print Driver: <a href="http://hp.com/go/upd">hp.com/go/upd</a>	
	HP JetAdvantage Security Manager: <a href="http://hp.com/go/securitymanager">hp.com/go/securitymanager</a>	
	HP LaserJet Fonts, Barcodes, and IPDS Emulation available at <a href="http://hp.com/go/laserjetfonts">hp.com/go/laserjetfonts</a>	
	To learn more about available infrastructure, management, and workflow solutions, visit <a href="http://hp.com/go/gsc">hp.com/go/gsc</a>	

# Appendix A: Fleet management features

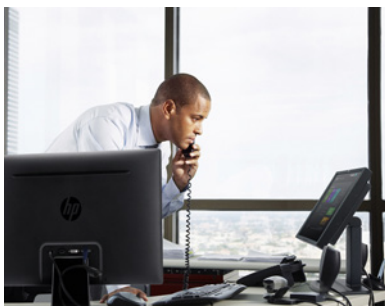
## Resources

HP Web Jetadmin:

- Web site: [hp.com/go/wja](http://hp.com/go/wja)
- Solution brief: <http://h20195.www2.hp.com/V2/GetPDF.aspx/4AA5-2718ENW.pdf>
- Video: <http://h20621.www2.hp.com/video-gallery/us/en/sss/35D707B5-B7B3-4A67-B4E0-2DE6C423AEA7/r/video/>

HP Universal Print Driver:

- Web site: [hp.com/go/upd](http://hp.com/go/upd)
- Solution brief: <http://h20195.www2.hp.com/V2/GetPDF.aspx/4AA2-4781ENW>



### Simple one-to-one device management

The printer can also be managed using the HP Embedded Web Server. Use a web browser to monitor status, configure network parameters, or access device features.

## Efficiently manage from a central location

The HP LaserJet Enterprise M604, M605, and M606 printer series is supported by HP Web Jetadmin, an HP JetAdvantage Management Solution.<sup>15</sup> This single solution allows you to efficiently manage a wide variety of networked and PC connected devices, including printers, multifunction products, and scanners. Remotely install, configure, troubleshoot, safeguard, and manage your devices—ultimately increasing business productivity by helping you save time, control costs, protect your assets, and provide a better return on your investment. Easily integrate new HP LaserJet Pro and Enterprise devices without having to upgrade HP Web Jetadmin. A universal plug-in lets you support most features of new devices and apply corporate policies in one step—helping to save time and simplify device management.<sup>15</sup>

HP Web Jetadmin enables you to:

- Gain a clear picture of how many and what kinds of devices you have.
- Get visibility into your supplies usage, so you can make smarter purchasing decisions, reduce spending, and even track and allocate printing costs to individual departments or users.
- Simplify, and, in many cases, automate routine tasks. For example, you can apply fleet-wide policies to automatically configure new devices with the right printing and security settings when they're added to your network.
- Give your help desk staff the tools they need—such as automatic alerts—to resolve problems quickly, and often proactively, before a call is even received.
- Verify that your devices are up-to-date with the latest firmware and are properly configured (especially important for organizations that need to meet regulatory requirements).
- Use robust tracking and reporting tools to help you make better decisions about how your devices are deployed across your organization, so you can make the most of your IT investments.
- Take advantage of additional options, like the HP Database Connectivity Module which works together with Web Jetadmin to help you establish and help achieve environmental goals.
- Get the ultimate in investment protection with HP Web Jetadmin Premium Support. This expanded service option gives your staff access to HP's dedicated software support engineers, who provide advice, usage recommendations, problem diagnosis, and more.

HP Web Jetadmin can benefit IT-managed print environments of all sizes, from large enterprises managing thousands of devices to small businesses with just a handful. For more information—or to download this free software tool—visit [hp.com/go/wja](http://hp.com/go/wja).

## Make it easy for all to print with one common driver

The HP Universal Print Driver enables both mobile Microsoft device users and traditional desktop users to access the full features of nearly every HP device in your managed printing environment without the need for assistance.<sup>23</sup>

Eliminate the clutter on your computer by replacing multiple print drivers with one versatile solution. Empower IT by dramatically reducing the number of drivers they have to manage—and by giving them the tools they need to improve efficiency. With the HP UPD, your IT team can easily adjust device settings to help reduce printing costs, improve security, and help meet environmental goals. For example, it's simple to push two-sided printing or quicker sleep times across the fleet. Plus, the valuable tools in the HP UPD Printer Administrator's Resource Kit help you save time and money by streamlining IT tasks, implementing printing policies, and monitoring usage across the enterprise. You can also use the HP UPD in tandem with HP Web Jetadmin to create fleet-wide managed printer lists, reports, and more.<sup>15</sup>

You can download this valuable fleet driver solution and the tools in the Printer Administrator's Resource Kit for free. For more information about how the HP Universal Print Driver can help you protect your imaging and printing investment, simplify management, and boost productivity, visit [hp.com/go/upd](http://hp.com/go/upd).

# Appendix B: Security features

## Resources

HP JetAdvantage Security Solutions:

- Web site: [hp.com/go/secureprinting](http://hp.com/go/secureprinting)
- Solution brief: <http://h20195.www2.hp.com/V2/GetPDF.aspx/4AA3-1295ENW.pdf>
- Video: <http://h20621.www2.hp.com/video-gallery/us/en/products/D00D8A0C-D648-486E-9642-D720EDCF647F/r/video/>

HP JetAdvantage Security Manage<sup>21</sup>

- Web site: [hp.com/go/securitymanager](http://hp.com/go/securitymanager)
- Brochure: <http://h20195.www2.hp.com/V2/GetPDF.aspx/4AA3-9275ENW.pdf>
- Video: <http://h20621.www2.hp.com/video-gallery/us/en/70C04F4A-5517-43FD-824C-D836765A943C/r/video/>

## Protect your business information

The HP LaserJet Enterprise M604, M605, and M606 series have a multitude of options to help you secure your environment. You can count on support for a number of solutions, along with built-in and optional security features such as PIN printing and an optional HP High-Performance Secure Hard Disk.<sup>5</sup>

### Protect your printer

As capabilities expand and devices become more integrated into your work, device security becomes increasingly important. These features help protect the M604, M605, and M606 series:

- **Code signing:** Firmware signed by HP ensures that the firmware was produced by HP (authenticity) and that the firmware has not been altered in any way (integrity).
- **Firewall:** The built-in device network firewall allows or denies access to specific TCP/UDP ports and services.
- **Physical port disablement:** Host USB ports, network ports, and other physical ports can be disabled to prevent unauthorized use.
- **CA & Device Identity Certificates:** This printer supports identity certificates signed by a corporate certificate authority, which provides verification of identity and authenticity. This printer also supports CA certificates for validation of identity certificates. Certificates can enable secure end-to-end communications with the device when used with features like IPsec, Secure-IPP, ePrint, and more. Additional certificates can be stored for validating S/MIME e-mail servers and 802.1x authentication.
- **Authentication and authorization:** Authentication can help your organization manage user access, help secure access to management utilities, and avoid unwanted device configurations. Control access to the printer, device settings, and functions, with options like:
  - **Multiple embedded authentication methods.** Print with a positive ID. With authentication options available from the device, you can configure Windows/Kerberos authentication, LDAP authentication, and user PIN authentication that integrates with your existing infrastructure.
  - **Role-based device authentication and authorization with HP FutureSmart.** With HP FutureSmart, you have more control than ever before over device security and permission settings. IT administrators can decide who can interact with certain device capabilities—helping to make printing more secure, control access, and uphold site security policies.
  - **HP and third-party authentication solutions.** With optional solutions like HP Access Control, you can enable advanced authentication using proximity cards. The Hardware Integration Pocket on the control panel enables integration of select card readers.
- **Physical device protection:** Both the device and the optional HP High-Performance Secure Hard Disk<sup>5</sup> can be physically secured from theft and tampering using a lock that requires a physical key for removal (this accessory must be purchased separately).
- **Common Criteria Certification (CCC):** CCC is a security certification recognized in 26 countries worldwide. HP certifies the security functionality of its Enterprise LaserJet MFPs and printers to align with the IEEE 2600 imaging and printing security standard.

### Protect your data

Your printer harbors sensitive information—make sure it's not at risk. HP offers security features at every stage in your work.

Protect data at rest with the following features:

- **Storage encryption:** Defend your data. The HP High-Performance Secure Hard Disk<sup>5</sup> is offered as an optional feature on all of these printer models and provides full hardware encryption.
- **Secure Erase:** The printer provides built-in capabilities for securely overwriting data stored on it, allowing sensitive data to be safely removed. HP offers multiple mechanisms to erase stored data, including functionality that conforms to U.S. National Institute of Science and Technology (NIST) Special Publication 800-88.

- **Password protection:** Stored passwords are encrypted to help provide protection of this critical information.
- **Secure keys, credentials, and certificates:** For an extra level of security, the optional HP Trusted Platform Module (TPM) accessory can be added to the device to strengthen protection of encrypted credentials and data by automatically sealing device encryption keys to the TPM, and provides secure device identity by generating and protecting certificate private keys.<sup>22</sup>

Protect data in transit with these features:

- **Network protection:** Network-transmitted data can be protected with IPsec and print jobs can also be encrypted using Internet Printing Protocol (IPP) over SSL/TLS.
- **CipherSuite Encryption Strength:** Encryption strength can be selected to prevent the use of legacy or insecure protocols for data in transit.
- **FIPS-140 Mode:** Ensures device uses available FIPS-140 validated cryptographic modules for TLS encryption, SNMPv3 signing and encryption and signed certificates.
- **Secure Encrypted Print with HP UPD 5.3.1 or later:** For added security, choose end-to-end Secure Encrypted Print. HP UPD<sup>23</sup> provides true symmetric AES256 print job encryption and decryption from the client to the page based on a user-defined password using FIPS 140 validated cryptographic libraries from Microsoft.
- **Management safeguards:** Device management data that travels over the network between the device and HP Web Jetadmin and other management tools can also be protected using SNMPv3. HTTPS (HTTP over SSL/TLS) can be enforced so all connections to the device Embedded Web Server administration interface are securely encrypted.
- **Secure Mobile Print:** HP offers multiple options for safeguarded mobile printing. For more information, see “Meet business needs in the office and beyond” on page 12.

### Safeguard your physical documents

HP offers several optional solutions to help keep documents from falling into the wrong hands and help prevent fraud, such as:

- **Pull printing:** Have documents held and released only to the person who printed them. Pull printing solutions help protect sensitive data by requiring authentication at the device, and give users the flexibility of pulling the documents from any device that is enabled with the solution.
  - **HP JetAdvantage Private Print:** With HP’s cloud-based pull print you get the advantages of pull print, without the complexity. It comes bundled with HP devices and is simple to set up. It does not require a server, installation, or maintenance. For more information, visit [hpjetadvantage.com/ondemand](http://hpjetadvantage.com/ondemand).<sup>20</sup>
  - **HP Access Control Pull Print:** This optional robust server-based solution offers multiple forms of authentication including badge release, as well as enterprise level security, management, and scalability.
- **Embed anti-fraud features:** This is a valuable tool in sensitive documents like prescriptions, birth certificates, or transcripts. Anti-fraud features are embedded before they are routed to the printer and printed on plain paper by using the optional HP and TROY Secure Document Printing solution.



### HP JetAdvantage Security Manager

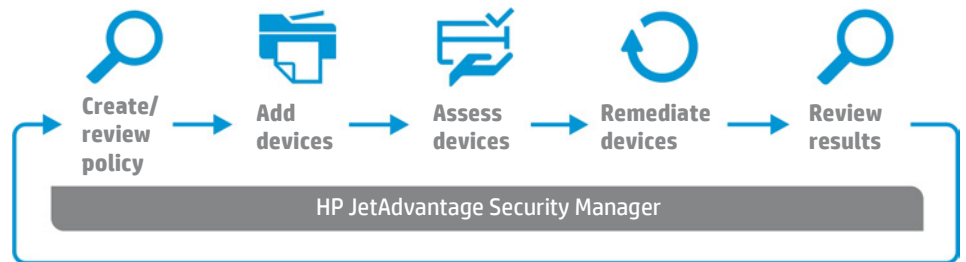
Secure your HP printing fleet with the solution Buyers Laboratory (BLI) calls trailblazing.<sup>34</sup>

## Easily manage security across the fleet

### HP JetAdvantage Security Manager (formerly HP Imaging and Printing Security Center)

Apply efficient, fleet-wide security policies to protect all your HP print devices with optional HP JetAdvantage Security Manager.

- Many tedious tasks can be automated, so you can free up time for your IT staff and protect the data and documents that matter most to your business.
- Streamline the process to securely deploy and monitor devices by applying a single security policy across the fleet.
- Easily create a print security policy for your environment by leveraging the HP Security Manager Base Policy template.
- Secure new HP devices as soon as they are added to your network with HP Instant-on Security. The software automatically configures settings to comply with your corporate security policy.
- Improve the security of your infrastructure and device communications by deploying unique identity certificates across your fleet and continuously monitoring to ensure they remain valid with HP Security Manager's efficient fleet management of certificates. The administrative overhead to install unique identity certificates across your fleet of HP devices is now less than manually installing on a single device.
- Actively maintain and verify compliance with your defined security policies by using HP Security Manager automated monitoring and risk based reporting.



To learn more about HP Security Manager or to obtain a free trial, please visit [hp.com/go/securitymanager](http://hp.com/go/securitymanager).

## HP security best practices

Since 2005, HP has published security best practice checklists for networked environments common to enterprises and small to medium businesses. HP recommends that customers incorporate recommended security configurations into their environments.

For more information on HP security solutions and checklists, please visit [hp.com/go/secureprinting](http://hp.com/go/secureprinting).

## Notes

- <sup>1</sup> Local printing requires mobile device and printer be on the same network or have a direct wireless connection. Wireless performance is dependent on physical environment and distance from access point. Wireless operations are compatible with 2.4 GHz operations only. Remote printing requires an Internet connection to an HP web-connected printer. App or software and HP ePrint account registration may also be required. Wireless broadband use requires separately purchased service contract for mobile devices. Check with service provider for coverage and availability in your area. See [hp.com/go/mobileprinting](http://hp.com/go/mobileprinting) for more details. Some features require purchase of an optional accessory, available Fall 2015.
- <sup>2</sup> 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. The HP LaserJet Enterprise M604 series offers a recommended monthly page volume (RMPV) of up to 13,000 pages. The HP LaserJet Enterprise M605 series offers a RMPV of up to 16,000 pages. The HP LaserJet Enterprise M606 series offers a RMPV of up to 20,000 pages.
- <sup>3</sup> Optional paper-handling accessories must be purchased separately.
- <sup>4</sup> 3,600-sheet input capacity requires purchase of additional accessories, up to a maximum of 6 trays total for up to 3,600-sheet input capacity. To insure product stability, it is a requirement to purchase the HP LaserJet Printer Stand (F2G70A) when using M604/M605/M606 Printers with more than three HP LaserJet 500-sheet Input Tray Feeders (F2G68A), or with one HP LaserJet 1,500-sheet Input Tray (F2G73A) and more than one HP LaserJet 500-sheet Input Tray Feeder (F2G68A).
- <sup>5</sup> Some solutions require download or additional purchase. Learn more at [hp.com/go/printingsolutions](http://hp.com/go/printingsolutions). The encrypted hard disk drive requires an additional purchase.
- <sup>6</sup> Printing speed measured using ISO/IEC 24734 and excludes first set of test documents. For more information, see [hp.com/go/printerclaims](http://hp.com/go/printerclaims). Exact speed varies depending on the system configuration, software application, driver, and document complexity. Print speeds are up to 65 ppm, letter (62 ppm, A4) for the HP LaserJet Enterprise M606 series; up to 58 ppm, letter (55 ppm, A4) for the HP LaserJet Enterprise M605 series; up to 52 ppm, letter (50 ppm, A4) for the HP LaserJet Enterprise M604 series.
- <sup>7</sup> Touch-to-print capability is standard on the HP LaserJet Enterprise M605x and M606x only. Requires purchase of optional HP Jetdirect 3000w near field communications (NFC)/Wireless Accessory, available Fall 2015, for the HP LaserJet Enterprise M604n, M604dn, M605n, M605dn, and M606dn. Mobile device must support NFC-enabled printing. For more information, see [hp.com/go/mobileprinting](http://hp.com/go/mobileprinting).
- <sup>8</sup> Wireless direct printing is standard on the HP LaserJet Enterprise M605x and M606x only. Requires purchase of optional HP Jetdirect 3000w near field communications (NFC)/Wireless Accessory, available Fall 2015, for the HP LaserJet Enterprise M604n, M604dn, M605n, M605dn, and M606dn. Mobile device needs to be connected directly to the Wi-Fi signal of a wireless direct-capable multifunction printer (MFP) or printer prior to printing. Depending on mobile device, an app or driver may also be required. Wireless performance is dependent on physical environment and distance from the access point in the MFP or printer. For details, see [hp.com/go/businessmobileprinting](http://hp.com/go/businessmobileprinting).
- <sup>9</sup> The optional high-yield Original HP LaserJet cartridge must be purchased separately and is not available for the HP LaserJet Enterprise M604 series.
- <sup>10</sup> Measured using ISO/IEC 17629. For more information, see [hp.com/go/printerclaims](http://hp.com/go/printerclaims). Exact speed varies depending on the system configuration, software application, driver, and document complexity.
- <sup>11</sup> Declared yield value in accordance with ISO/IEC 19752 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see [hp.com/go/learnaboutsupplies](http://hp.com/go/learnaboutsupplies).
- <sup>12</sup> Online help must be enabled on the printer. Mobile device must have an Internet connection to access online services.
- <sup>13</sup> Features vary on all printer models. Please refer to product walk around pages and series at a glance tables at the beginning of this document for specific model details.
- <sup>14</sup> Wireless Internet connectivity requires an additional purchase, available Fall 2015. Wireless performance is dependent on physical environment and distance from access point. Wireless operations are compatible with 2.4 GHz routers only.
- <sup>15</sup> HP Web Jetadmin is free and available for download at [hp.com/go/webjetadmin](http://hp.com/go/webjetadmin). Universal device plug-in is offered with HP Web Jetadmin 10.3 SR4 and higher.
- <sup>16</sup> HP Auto-On/Auto-Off Technology capabilities are subject to printer and settings.
- <sup>17</sup> Based on HP testing using the ENERGY STAR® program's Typical Electricity Consumption (TEC) method or as reported in [energystar.gov](http://energystar.gov) vs. competitive single-function black and white laser printers with print speeds between 51 and 70 ppm (for the M604 series) and with print speeds between 56 and 70 ppm (for the M605 series and M606 series) as of November 2014. Actual results may vary.
- <sup>18</sup> The HP LaserJet Enterprise M604n and M605n are not ENERGY STAR® or EPEAT Silver certified. CECP certification applies to M604n and M605n.
- <sup>19</sup> Requires an Internet connection to an HP web-enabled printer and HP ePrint account registration. For a list of eligible printers, supported documents and image types, and other HP ePrint details, see [hpconnected.com](http://hpconnected.com). Mobile devices require Internet connection and email capability. May require wireless access point. Separately purchased data plans or usage fees may apply. Print times and connection speeds may vary.
- <sup>20</sup> HP JetAdvantage Private Print is available only in North America and select European countries on many HP printers and MFPs. Feature is available at no charge and requires the printer be connected to the Internet with web services enabled. Card reader is available for separate purchase for selected HP devices with touchscreens. For more information and device compatibility details, see [hpjetadvantage.com/ondemand](http://hpjetadvantage.com/ondemand).
- <sup>21</sup> HP JetAdvantage Security Manager must be purchased separately. To learn more or to obtain a free trial, please visit [hp.com/go/securitymanager](http://hp.com/go/securitymanager).
- <sup>22</sup> Use of the optional HP Trusted Platform Module accessory may require a firmware upgrade.
- <sup>23</sup> The HP Universal Print Driver is free and available for download at [hp.com/go/upd](http://hp.com/go/upd).
- <sup>24</sup> Compared with products that use traditional fusing.
- <sup>25</sup> Program availability varies. Original HP cartridge return and recycling is currently available in more than 50 countries, territories, and regions in Asia, Europe, and North and South America through the HP Planet Partners program. For more information, visit [hp.com/recycle](http://hp.com/recycle).
- <sup>26</sup> Duty cycle is defined as the maximum number of pages per month of imaged output. The duty cycle on the M604 series is up to 175,000 pages, up to 225,000 pages on the M605 series, and up to 275,000 pages on the M606 series. 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.
- <sup>27</sup> Supports the following devices running iOS 4.2 or later: iPad, iPad 2, iPhone (3GS or later), iPod touch (3rd generation or later). Works with HP's AirPrint-enabled printers and requires the printer be connected to the same network as your iOS device. Wireless performance is dependent on physical environment and distance from the access point.
- <sup>28</sup> Not all "Compatible operating systems" are supported with INBOX software. Full solution software available only for Windows 7 and newer. Legacy Windows Operating Systems (XP, Vista, and equivalent servers) get print and scan drivers only. Windows RT OS for Tablets (32- and 64-bit) uses a simplified HP print driver built into the RT OS. UNIX model scripts are available on [hp.com](http://hp.com) (model scripts are printer drivers for UNIX operating systems). Linux systems use in-OS HPLIP software.
- <sup>29</sup> Acoustic values are subject to change. For current information see [hp.com/support](http://hp.com/support).
- <sup>30</sup> 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.
- <sup>31</sup> HP's maintenance kit life specification is based on simplex, A4/letter, intermittent, four page jobs. The life/yield during normal use may vary depending on usage including environment, media, and other factors.
- <sup>32</sup> Available Fall 2015.
- <sup>33</sup> Service levels and response times may vary depending on your geographic location. Service starts on date of hardware purchase. Restrictions and limitations apply. For details, visit [hp.com/go/cpc](http://hp.com/go/cpc). HP services are governed by the applicable HP terms and conditions of service provided or indicated to Customer at the time of purchase. Customer may have additional statutory rights according to applicable local laws, and such rights are not in any way affected by the HP terms and conditions of service or the HP Limited Warranty provided with your HP Product.
- <sup>34</sup> Buyers Laboratory LLC Solutions Report, February 2015. For details, see [hp.com/go/SecurityManager](http://hp.com/go/SecurityManager) or [buylerslab.com](http://buylerslab.com).

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