



## A new era of low-cost colour, high productivity, and strong security

HP PageWide Managed Color P75250dn  
HP PageWide Managed Color MFP P77440dn  
HP PageWide Managed Color MFP P77900 series



Affordable colour printing  
for every office



Minimal interruptions.  
Maximum uptime.



The world's most  
secure printing<sup>1</sup>



# Affordable colour printing for every office



Colour printing is within the budget of every business with HP PageWide Technology. Print professional-quality colour for a breakthrough low cost on sizes up to 305 x 457 mm—results you expect from HP for an exceptional value you can rely on.

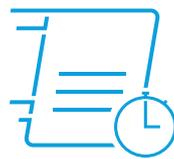


## Breakthrough low-cost colour

Depend on lasting value. Get the results you expect from HP PageWide Technology that delivers a game-changing low cost per colour page.

Original HP PageWide cartridges provide the consistent printing performance, quality, and affordability businesses demand. Optional high-yield cartridges offer an even better value, so you can print more pages and replace cartridges less often.<sup>3</sup>

Add a touch of colour to documents—without raising printing costs.<sup>4</sup> Help your work stand out by including a small colour logo or highlighted text for the same cost as a black-and-white page.



## Fast performance, economical prints

Equip employees to speed through tasks with high-performance, professional-quality printing. Print even faster—and save even more per page—by setting your printer or MFP to General Office (GO) mode.<sup>5</sup> Get the quality your business needs while helping to reduce printing costs.

Minimise interruptions in productivity with an HP PageWide device designed with the fewest parts in its class for the least maintenance.<sup>6</sup>



## Best-in-class energy efficiency<sup>2</sup>

Help keep energy costs down with the most efficient device in its class.<sup>2</sup> HP PageWide Technology conserves resources without compromising performance.

This device meets rigorous standards for ISO class 5 cleanrooms—perfect for sensitive environments. Keep noise to a minimum with a device designed to be quiet. Place it near people without disrupting work.

Help reduce your environmental impact. Consume up to 50% less paper, with automatic two-sided printing. Easily recycle your Original HP cartridges at no charge through HP Planet Partners.<sup>7</sup>

# Minimal interruptions. Maximum uptime.

Annoying interruptions and complex maintenance can slow down printing and, ultimately, the pace of business. Avoid pauses in productivity with an HP PageWide device designed for maximum uptime—so you can count on reliable results day in and day out.

## Move business forward

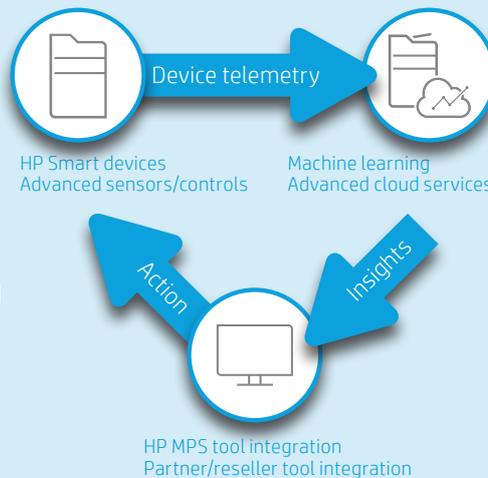
Print up to 50% faster than the competition<sup>8</sup>—as fast as 80 pages per minute (ppm), GO mode (MFP P77960dn/dns models).<sup>9</sup> These devices wake up and print fast, so your pages are ready right when you need them. Preview and edit scans, adjust images, and launch print, scan, copy, and fax jobs<sup>10</sup>—all at the 20.3 cm colour touchscreen (MFP models).<sup>11</sup> For more information, see Appendix A on page 25.



With the MFP P77440dn and MFP P77940/50/60 series, accelerate workflow with single-pass, two-sided scanning up to 60 ppm, simplex, and up to 120 images per minute (ipm), duplex.<sup>12</sup> Scan documents directly to Microsoft® SharePoint®, plus email, USB, and network folders.<sup>13</sup>

## Minimise downtime

HP Smart Device Services (SDS) remote diagnostic insights and remediation capabilities help minimise downtime. HP devices are smart and communicate their health before the device stops. SDS helps optimise HP devices for your usage environment with machine-to-machine learning, predictive analytics, and advanced device controls that can be made remotely.



SDS keeps your data and network secure—it only tracks device ID and telemetry data, and it does not collect customer names, user data, or job content.

SDS uses the same secure network protocols used by web banking applications, Microsoft Outlook, and Office 365.

## Expand your capacity

Tailor this device to the needs of your business with a wide range of paper-handling accessories. Optional trays support media sizes up to 305 x 457 mm, including a 550-sheet paper tray, 550-sheet paper tray and stand, and 3x550-sheet paper tray and stand.<sup>14</sup>



Print up to 5,200 pages without reloading paper, using the optional 4,000-sheet high-capacity input (HCI) tray and stand, with support for A4 size.<sup>15</sup>

# The world's most secure printing<sup>1</sup>



Only HP Enterprise printers repair themselves from attacks in real time, with built-in security to help keep your network safe. Automatically monitor threats, detect intrusions, and validate operating software with security offered only by HP.<sup>1</sup>



## Always on guard

Only HP Enterprise printers offer built-in security features that are always on guard.<sup>1</sup>

- With HP Sure Start, each device regularly checks its operating code and repairs itself from attempted hacks.
- Whitelisting checks firmware during startup to help ensure it's authentic, good code—digitally signed by HP.
- Run-time intrusion detection continually monitors activity to detect and stop attacks, then automatically reboots.
- HP Connection Inspector inspects outgoing network connections to stop suspicious requests like malware.

Thwart potential attacks by receiving instant notification of security issues, so immediate action can be taken. This device works with tools like Splunk, ArcSight, McAfee, and SIEMonster.

▶ [For more information](#)

### Fleet management

HP Web Jetadmin visit: [hp.com/go/wja](http://hp.com/go/wja)

Solution brief: <http://h20195.www2.hp.com/V2/GetPDF.aspx/4AA5-2719EEW.pdf>

Video: <http://hp.brightcovegallery.com/solutions/detail/video/427105504001/>

HP Universal Print Driver visit: [hp.com/go/upd](http://hp.com/go/upd)

Solution brief: <http://h20195.www2.hp.com/V2/GetPDF.aspx/4AA2-4781EEW>



## Take security to the next level

Help protect this device with more than 100/250 (printers/MFPs) embedded security features.<sup>16</sup> Protect information in transit over the network and stored on the device—keys, passwords, certificates, and more.

Easily develop, deploy, and integrate HP and third-party solutions with HP Open Extensibility Platform (OXP). Add features such as card readers<sup>17</sup> and more through the Hardware Integration Pocket (HIP) (supported on all models except the P77440dn).<sup>18</sup> Further safeguard data stored on the device, using the standard HP Trusted Platform Module.<sup>19</sup>



## Expand capabilities with top-flight flexibility

Centralise control of your printing environment with HP Web Jetadmin—and help build business efficiency.<sup>20</sup> Optional HP JetAdvantage Security Manager offers an effective, policy-based approach to help secure HP printing and imaging devices.<sup>21</sup>

HP JetAdvantage Secure Print<sup>22</sup> and HP Access Control (HPAC) help secure documents by requiring authentication to release print jobs. In addition, extend capabilities and easily customise with HPAC—integrate job accounting, manage rights, and establish quotas for things such as colour use.<sup>23</sup> Save IT time and make printing easy for the entire enterprise by using a single driver for all HP devices.<sup>24</sup>

### Security

HP JetAdvantage Security Solutions visit: [hp.com/go/printsecurity](http://hp.com/go/printsecurity)

Solution brief: <http://h20195.www2.hp.com/V2/GetPDF.aspx/4AA3-1295EEW.pdf>

Video: <http://hp.brightcovegallery.com/products/detail/video/4270905124001/>

HP JetAdvantage Security Manager visit: [hp.com/go/securitymanager](http://hp.com/go/securitymanager)

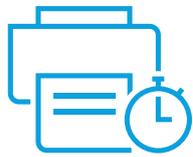
Brochure: <http://h20195.www2.hp.com/V2/GetPDF.aspx/4AA3-9275EEW.pdf>

Video: <http://hp.brightcovegallery.com/products/detail/video/427083770001/>

# Give workgroups the tools they need



Accelerate workflow and enhance productivity. Complete scan jobs quickly—up to 60 ppm,<sup>12</sup> simplex and up to 120 ipm,<sup>12</sup> duplex. Easily share resources and connect people throughout your organisation.



## Complete tasks at the device

Preview and edit scans, adjust images, and launch print, scan, copy, and fax jobs—all at the 20.3 cm colour touchscreen.

Turn stacks of paper documents into digital files. Load up to 100 pages into the automatic document feeder (ADF) for fast, unattended scanning on all MFP models.<sup>25,26</sup>

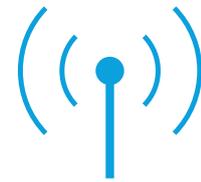
Save time with a walk-up USB port<sup>27</sup> that quickly recognises, formats, and prints the Microsoft Word and PowerPoint® files businesses use every day.<sup>28</sup>



## Advanced finishing options

Organise, staple, and collate with in-line finishing options.<sup>29</sup>

On the dns models of the MFP P77940/50/60 series, smart in-line finishing helps you save time and look professional. Get an 850-sheet paper output capacity, automatically staple multiple sets of documents, staple any corner of Microsoft Word documents or PowerPoint presentations, and staple up to 50 pages in professionally-attached sets.



## Keep your office connected

Built-in Ethernet and optional wireless capabilities on all models let you easily access, print, and share resources on a network.<sup>30</sup>

Detect nearby printers from a mobile device, quickly connect, and easily print with optional Bluetooth® Low Energy connectivity.<sup>31</sup>

# Get to know the HP PageWide Managed Color P75250dn printer



## At a glance



Model (product number)	P75250dn (Y3Z49A)
Functions	Print
Print speeds, black and colour, A4 <sup>9</sup>	Up to 50/70 ppm, Professional/G0 mode
Automatic two-sided printing	✓
Control panel display	10.9 cm (4.3-inch) pivoting colour touchscreen
Hardware Integration Pocket <sup>18</sup>	✓
Paper input trays (standard)	100-sheet multipurpose tray 1, 500-sheet tray 2
Input capacity (standard/maximum <sup>15</sup> )	Up to 650/4,650 sheets
Output capacity	Up to 500 sheets
Optional wireless printing <sup>30</sup> /Bluetooth Low Energy <sup>31</sup>	✓

# HP PageWide Managed Color P75250dn printer – Configuration

Select one category of input accessory:



## 550-sheet Paper Tray (P1V16A)

- Select only one
- Media up to 297 x 432 mm
- Media weight: 60 to 220 g/m<sup>2</sup>



## 550-sheet Paper Tray and Stand (P1V17A)

- Select only one
- Media up to 297 x 432 mm
- Media weight: 60 to 220 g/m<sup>2</sup>



## 3x550-sheet Paper Tray and Stand (P1V18A)

- Select only one
- Media up to 297 x 432 mm
- Media weight: 60 to 220 g/m<sup>2</sup>



## 4,000-sheet HCI Paper Tray and Stand (P1V19A)

- Select only one
- Supports A4-size media
- Media weight: 60 to 220 g/m<sup>2</sup>

Standard on P75250dn:

500-sheet output bin

100-sheet multipurpose tray 1

- Media up to 305 x 457 mm
- Media weight: 60 to 220 g/m<sup>2</sup>

550-sheet tray 2

- Media up to 297 x 432 mm
- Media weight: 60 to 220 g/m<sup>2</sup>



# Get to know the HP PageWide Managed Color MFP P77440dn, P77940 series

HP PageWide Managed Color MFP P77940dns shown



## Series at a glance



Model (product number)	MFP P77440dn (Y3Z60A)	P77940dn (Y3Z61A)	P77940dns (Y3Z64A)
Functions	Print, scan, copy	Print, scan, copy	Print, scan, copy
Print speed (black and colour, A4) <sup>9</sup>	Up to 40/60 ppm, Professional/GO mode	Up to 40/60 ppm, Professional/GO mode	Up to 40/60 ppm, Professional/GO mode
Scan speeds (black and colour, A4) <sup>12</sup>	60 ppm/120 ipm, simplex/duplex	60 ppm/120 ipm, simplex/duplex	60 ppm/120 ipm, simplex/duplex
Hardware Integration Pocket <sup>18</sup>	Not available	✓	✓
350-sheet inner finisher (staples up to 50 sheets)	Not available	Not available	✓
Control panel display	10.9 cm colour touchscreen panel	20.3 cm pivoting colour touchscreen	20.3 cm pivoting colour touchscreen
Input capacity (standard/max <sup>15</sup> )	Up to 1,200/5,200 sheets	Up to 650/4,650 sheets	Up to 650/4,650 sheets
Output capacity	Up to 500 sheets	Up to 500 sheets	Up to 850 sheets <sup>29</sup>
Optional wireless printing <sup>30</sup> / Bluetooth Low Energy <sup>31</sup>	✓	✓	✓

# HP PageWide Managed Color MFP P77440dn, MFP P77940dn/dns – Configuration

Select one category of input accessory:



### 550-sheet Paper Tray (P1V16A)

- Select only one
- Media up to 297 x 432 mm
- Media weight: 60 to 220 g/m<sup>2</sup>



### 550-sheet Paper Tray and Stand (P1V17A)

- Select only one
- Media up to 297 x 432 mm
- Media weight: 60 to 220 g/m<sup>2</sup>



### 3x550-sheet Paper Tray and Stand (P1V18A)

- Select only one
- Media up to 297 x 432 mm
- Media weight: 60 to 220 g/m<sup>2</sup>



### 4,000-sheet HCI Paper Tray and Stand (P1V19A)

- Select only one
- Supports A4-size media
- Media weight: 60 to 220 g/m<sup>2</sup>

### Standard on all dn models:

#### 100-sheet ADF

- Single-pass, two-sided scanning
- Up to 60 ppm/120 ipm, simplex/duplex

#### 500-sheet output bin

- #### 100-sheet multipurpose tray 1
- Media up to 305 x 457 mm
  - Media weight: 60 to 220 g/m<sup>2</sup>

#### 550-sheet tray 2 (P77940dn)

- Media up to 297 x 432 mm
- Media weight: 60 to 220 g/m<sup>2</sup>

-or-

#### 2 x 550-sheet trays 2 and 3 (P77440dn)

- Media up to A4
- Media weight: 60 to 220 g/m<sup>2</sup>



### Standard on P77940dns:

#### 100-sheet ADF

- Single-pass, two-sided scanning
- Up to 60 ppm/120 ipm, simplex/duplex

#### 350-sheet inner finisher with stapler

- Staples up to 50 sheets

#### 500-sheet output bin

- #### 100-sheet multipurpose tray 1
- Media up to 305 x 457 mm
  - Media weight: 60 to 220 g/m<sup>2</sup>

#### 550-sheet tray 2

- Media up to 297 x 432 mm
- Media weight: 60 to 220 g/m<sup>2</sup>



# Get to know the HP PageWide Managed Color MFP P77950/ P77960 series

## HP PageWide Managed Color MFP P77960dns shown



## Series at a glance



Model (product number)	P77950dn (Y3Z62A)	P77950dns (Y3Z66A)	P77960dn (Y3Z63A)	P77960dns (Y3Z68A)
Functions	Print, scan, copy, optional fax <sup>10</sup>			
Print speeds (black and colour, A4) <sup>9</sup>	Up to 50/70 ppm, Professional/GO mode	Up to 50/70 ppm, Professional/GO mode	Up to 60/80 ppm, Professional/GO mode	Up to 60/80 ppm, Professional/GO mode
Scan speeds (black and colour, A4) <sup>12</sup>	60 ppm/120 ipm, simplex/duplex			
Hardware Integration Pocket <sup>18</sup>	✓	✓	✓	✓
350-sheet inner finisher with stapler (staples up to 50 sheets) <sup>29</sup>	Not available	✓	Not available	✓
Control panel display	20.3 cm pivoting colour touchscreen			
Input capacity (standard/max) <sup>15</sup>	Up to 650/4,650 sheets			
Output capacity	Up to 500 sheets	Up to 850 sheets <sup>29</sup>	Up to 500 sheets	Up to 850 sheets <sup>29</sup>
Optional wireless printing <sup>30</sup> / Bluetooth Low Energy <sup>31</sup>	✓	✓	✓	✓

# HP PageWide Managed Color MFP P77950/P77960 series – Configuration

Select one category of input accessory:



**550-sheet Paper Tray (P1V16A)**

- Select only one
- Media up to 297 x 432 mm
- Media weight: 60 to 220 g/m<sup>2</sup>



**550-sheet Paper Tray and Stand (P1V17A)**

- Select only one
- Media up to 297 x 432 mm
- Media weight: 60 to 220 g/m<sup>2</sup>



**3x550-sheet Paper Tray and Stand (P1V18A)**

- Select only one
- Media up to 297 x 432 mm
- Media weight: 60 to 220 g/m<sup>2</sup>



**4,000-sheet HCI Paper Tray and Stand (P1V19A)**

- Select only one
- Supports A4-size media
- Media weight: 60 to 220 g/m<sup>2</sup>

## Standard on dn models:

- 100-sheet ADF**
- Single-pass, two-sided scanning
  - Up to 60 ppm/120 ipm, simplex/duplex

- 500-sheet output bin**
- 100-sheet multipurpose tray 1**
- Media up to 305 x 457 mm
  - Media weight: 60 to 220 g/m<sup>2</sup>

- 550-sheet tray 2**
- Media up to 297 x 432 mm
  - Media weight: 60 to 220 g/m<sup>2</sup>



## Standard on dns models:

- 100-sheet ADF**
- Single-pass, two-sided scanning
  - Up to 60 ppm/120 ipm, simplex/duplex

- 350-sheet inner finisher with stapler**
- Staples up to 50 sheets

- 500-sheet output bin**
- 100-sheet multipurpose tray 1**
- Media up to 305 x 457 mm
  - Media weight: 60 to 220 g/m<sup>2</sup>

- 550-sheet tray 2**
- Media up to 297 x 432 mm
  - Media weight: 60 to 220 g/m<sup>2</sup>



# Paper-handling capabilities

The HP PageWide Managed Color P75250dn printer, MFP P77440dn, and MFP P77940/50/60 series models may be configured with optional input and finisher accessories described in the tables below. Other optional accessories, such as hole punch accessories, are included in the Ordering information on page 24.

## HP PageWide Managed Color P75250dn

The P75250dn printer comes standard with a 100-sheet multipurpose tray that supports up to 305 x 457 mm and one 550-sheet tray that supports up to 297 x 432 mm.

			
<b>550-sheet Paper Tray (P1V16A)</b>	<b>550-sheet Paper Tray and Stand (P1V17A)</b>	<b>3x550-sheet Paper Tray and Stand (P1V18A)</b>	<b>4,000-sheet HCI Paper Tray and Stand (P1V19A)</b>
Supports up to 297 x 432 mm (11.7 x 17 inches)	Supports up to 297 x 432 mm (11.7 x 17 inches)	Supports up to 297 x 432 mm (11.7 x 17 inches)	HCI tray supports A4 (letter)
<b>Optional:</b> These input accessories are optional for the P75250dn model (only one input accessory may be added)			
Maximum input with accessory: <sup>15</sup>			
1,200 sheets	1,200 sheets	2,300 sheets	4,650 sheets

## HP PageWide Managed Color MFP P77440dn and P77940 series

The MFP P77440dn comes standard with a 100-sheet multipurpose tray 1 that supports up to 12 x 18 inches (305 x 457 mm) and 550-sheet trays 2 and 3 (tandem) that support up to A4. The MFP P77940 series models come standard with a 100-sheet multipurpose tray that supports up to 305 x 457 mm and one 550-sheet tray that supports up to 297 x 432 mm.

				
<b>550-sheet Paper Tray (P1V16A)</b>	<b>550-sheet Paper Tray and Stand (P1V17A)</b>	<b>3x550-sheet Paper Tray and Stand (P1V18A)</b>	<b>4,000-sheet HCI Paper Tray and Stand (P1V19A)</b>	<b>350-sheet inner finisher with stapler</b>
Supports up to 297 x 432 mm (11.7 x 17 inches)	Supports up to 297 x 432 mm (11.7 x 17 inches)	Supports up to 297 x 432 mm (11.7 x 17 inches)	HCI tray supports A4 (letter)	Staples up to 50 sheets
<b>Optional:</b> All models may add one of these input accessories (only one may be added at a time)				<b>Standard:</b> dns models only; not supported on any other model
Maximum input with accessory: <sup>15</sup>				Maximum output with finisher:
1,750/1,200 sheets	1,750/1,200 sheets	2,850/2,300 sheets	5,200/4,650 sheets	850 sheets

## HP PageWide Managed Color MFP P77950/P77960 series

The MFP P77950/P77960 series models come standard with a 100-sheet multipurpose tray that supports up to 305 x 457 mm and one 550-sheet tray that supports up to 297 x 432 mm.



550-sheet Paper Tray (P1V16A)

Supports up to 297 x 432 mm (11.7 x 17 inches)



550-sheet Paper Tray and Stand (P1V17A)

Supports up to 297 x 432 mm (11.7 x 17 inches)



3x550-sheet Paper Tray and Stand (P1V18A)

Supports up to 297 x 432 mm (11.7 x 17 inches)



4,000-sheet HCI Paper Tray and Stand (P1V19A)

HCI tray supports A4 (letter)



350-sheet inner finisher with stapler

Staples up to 50 sheets

**Optional:** These input accessories are optional for the MFP P77950/P77960 series models (only one input accessory may be added)

**Standard:** dns models only; not supported on any other model

Maximum input with accessory:<sup>15</sup>

1,200 sheets

1,200 sheets

2,300 sheets

4,650 sheets

Maximum output with finisher:

850 sheets

# HP PageWide Managed Color P75250dn technical specifications

HP PageWide Managed Color P75250dn	
<b>Product number</b>	Y3Z49A
<b>Functions</b>	Print
<b>Control panel/data entry</b>	10.9 cm (4.3-inch) pivoting colour touchscreen; Easy-access USB port; <sup>27</sup> Hardware Integration Pocket <sup>18</sup>
<b>Print speed (A4 and letter)<sup>9</sup></b>	
Single-sided	Up to 50/70 ppm, Professional/General Office mode (black and colour)
Two-sided	Up to 35 ipm, Professional mode (black and colour)
<b>First page out</b>	From ready (A4/letter): <sup>32</sup> as fast as 7.3/7.6 seconds, black; as fast as 7.5/7.6 seconds, colour From sleep (A4/letter): <sup>33</sup> as fast as 9.1/9.3 seconds, black; as fast as 10.8/11 seconds, colour
<b>Print resolution</b>	Black: Up to 1200 x 1200 optimised dpi from 600 x 600 input dpi (on Unspecified, Plain, HP Premium Presentation Matte, and HP Brochure Matte); Colour: Up to 2400 x 1200 optimised dpi from 600 x 600 input dpi (on HP Advanced Photo Papers)
<b>Printing features</b>	HP PageWide Technology with pigmented inks, HP EasyColor, 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 orientation, high-quality greyscale and black ink only, General Office/Professional/Presentation dpi print modes
<b>Processor</b>	1.2 GHz
<b>Memory</b>	Standard: 1536 MB; Maximum: 2560 MB <sup>34</sup>
<b>Storage</b>	eMMC solid state drive (SSD) for printer operating system and job storage
<b>Durability ratings</b>	
RMPV <sup>35</sup>	2,500 pages to as high as 40,000 pages
Duty cycle <sup>36</sup>	Up to 200,000 pages
<b>Media specifications</b>	
Input capacity	Up to 650 sheets (up to 4,650 sheets maximum <sup>15</sup> ) Tray 1: up to 100 sheets Tray 2: up to 550 sheets
Output capacity	Up to 500 sheets
Two-sided printing	Automatic
Media sizes	Tray 1: A3, A4, A4-R, A5, A5-R, A6, RA3, RA4, SRA4, B4, B5 (JIS), 8K (270 x 390 mm), 16K (195 x 270 mm), 8K (260 x 368 mm), 16K (184 x 260 mm), 8K (273 x 394 mm), 16K (197 x 273 mm), oficio (216 x 340 mm), envelopes (B5, C5, C6); 12 x 18 in, 11 x 17 in, legal, oficio (8.5 x 13 in), letter, letter-R, executive, statement, 5 x 8 in, 5 x 7 in, 4 x 6 in, envelope #10; Custom media sizes: 99.1 x 127 to 304.8 x 457.2 mm (3.9 x 5.83 to 12 x 18 in) Tray 2: A3, A4, A4-R, A5, SRA4, B4, B5 (JIS), 8K (270 x 390 mm), 16K (195 x 270 mm), 8K (260 x 368 mm), 16K (184 x 260 mm), 8K (273 x 394 mm), 16K (197 x 273 mm), oficio (216 x 340 mm); 11 x 17 in, legal, oficio (8.5 x 13 in), letter, letter-R, executive; Custom media sizes: 210.1 x 148.1 to 297.2 x 431.8 mm (8.27 x 5.83 to 11.7 x 17 in) Optional 1x550 tray, 1x550 tray/stand, 3x550 tray/stand: A3, A4, A4-R, A5, SRA4, B4, B5 (JIS), 8K (270 x 390 mm), 16K (195 x 270 mm), 8K (260 x 368 mm), 16K (184 x 260 mm), 8K (273 x 394 mm), 16K (197 x 273 mm), oficio (216 x 340 mm); 11 x 17 in, legal, oficio (8.5 x 13 in), letter, letter-R, executive; Custom media sizes: 210.1 x 148.1 to 297.2 x 431.8 mm (8.27 x 5.83 to 11.7 x 17 in)
Media weights	Duplex: 10 x 15 cm, RA3, A3, A4, 8K (260 x 368 mm), 8K (270 x 390 mm), 8K (273 x 394 mm), B4, SRA4, RA4, 16K (184 x 260 mm), 16K (195 x 270 mm), 16K (197 x 273 mm), A5, A5-R, B5 (JIS), B5 (JIS)-R, B6 (JIS), A6, Postcard (JIS), DPostcard (JIS), oficio (216 x 340 mm); 12 x 18 in, 11 x 17 in, legal, oficio (8.5 x 13 in), letter, letter-R, executive, executive-R Tray 1: 60 to 220 g/m <sup>2</sup> (16 to 58 lb), 300 g/m <sup>2</sup> (80 lb) photo paper only Tray 2, optional trays 3-5, HCl: 60 to 220 g/m <sup>2</sup> (16 to 58 lb)
Media types	Paper (plain, inkjet, inkjet brochure/glossy), photo paper, envelopes, labels, cards
<b>Print languages</b>	HP PCLXL (PCL6), PCL5, native PDF, HP Postscript level 3 emulation, PJI, JPEG, PCLM
<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 font (Andale Mono WorldType); 2 Internal Windows Vista <sup>®</sup> 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>	1 Hi-Speed Device USB 2.0; 2 Hi-Speed USB 2.0 Host; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket <sup>17</sup>
<b>Mobile printing</b>	Standard: HP ePrint, <sup>37</sup> Apple AirPrint, <sup>38</sup> Google Cloud Print™ Optional: Wireless direct printing, <sup>30</sup> NFC touch-to-print, <sup>39</sup> and Bluetooth Low Energy <sup>31</sup>
<b>Network capabilities</b>	Standard: via HP Jetdirect Ethernet embedded print server supports 10Base-T, 100Base-Tx, 1000Base-T; 802.3az (EEE) support on Fast Ethernet and Gigabit Ethernet; IPsec (standard) Optional: 802.11a/b/g/n wireless networking (with purchase of optional HP Jetdirect 2900nw Print Server) <sup>30</sup>
<b>Network protocols</b>	IPv4/IPv6: Apple Bonjour Compatible (Mac OS v10.2.4 or higher), 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

## HP PageWide Managed Color P75250dn

<b>Security</b>	<p>Identity Management: Kerberos authentication, LDAP authentication, 1000 user PIN codes, optional HP and third-party advanced authentication solutions (e.g., badge readers)</p> <p>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, HP Trusted Platform Module (TPM) comes standard</p> <p>Data: Storage Encryption, Encrypted PDF and Email (uses FIPS 140 validated cryptographic libraries from Microsoft), Secure Erase, SSL/TLS (HTTPS), Encrypted Credentials</p> <p>Device: Security lock slot, USB port disablement, Hardware Integration Pocket for security solutions,<sup>17</sup> Intrusion Detection with Red Balloon Security Technology (constant in-device monitoring for attacks), HP Sure Start Secure Boot (BIOS integrity checking with self-healing capability), whitelisting (loads only known good code (DLLs, EXEs, etc.)), HP Connection Inspector (checks outgoing network connections to stop suspicious requests; may require a firmware update)</p> <p>Security Management: Compatible with HP JetAdvantage Security Manager,<sup>20</sup> Device Security Syslog Messages processed and accessible in ArcSight, Splunk, McAfee, and SIEMonster SIEMs</p> <p>For more security settings go to <a href="http://h10032.www1.hp.com/ctg/Manual/c03602120">http://h10032.www1.hp.com/ctg/Manual/c03602120</a></p>
<b>Printer management</b>	Optional HP JetAdvantage Security Manager; <sup>21</sup> HP SNMP Proxy Agent; HP Web Jetadmin Software; <sup>20</sup> Printer Administrator Resource Kit for HP Universal Print Driver <sup>24</sup>
<b>Compatible operating systems<sup>40</sup></b>	<p>Windows® OS: Windows 10 all 32- and 64-bit editions (excluding RT OS for Tablets), Windows 7 all 32- and 64-bit editions, Windows 8/8.1 all 32- and 64-bit editions (excluding RT OS for Tablets), Windows Vista all 32-bit editions (Home Basic, Premium, Professional, etc.), Windows XP SP3 32-bit editions (XP Home, XP Pro, etc.)</p> <p>Mac OS: 10.12 Sierra, OS X 10.10 Yosemite, OS X 10.11 El Capitan</p> <p>Mobile OS: Android™</p> <p>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, 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)</p> <p>Other OS: UNIX®</p>
<b>Compatible network operating systems</b>	<p>Citrix MetaFrame Presentation Server 3.0, Citrix MetaFrame XP Presentation Server (Feature Release 1, 2, and 3), Citrix on Windows Server® 2003/2003R2, Citrix on Windows Server 2008/2008R2/2008 R2 SP1, Citrix on Windows Server 2012/2012R2, Citrix Presentation Server 4.0/4.5, Citrix XenApp 5.0 (plus Feature Pack 2 &amp; 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 SP1 Terminal Services, 32- and 64-bit), Citrix XenDesktop 7.0/7.5 (for Windows Server 2012 and 2012 R2 Terminal Services, 64-bit)</p> <p>Novell NetWare 6.5/SP8 Novell Clients <a href="http://novell.com/iprint">novell.com/iprint</a>, Novell iPrint Appliance v1.0, Novell Open Enterprise Server 11/SP1, Novell Open Enterprise Server 2 for Linux, Novell Servers <a href="http://novell.com/iprint">novell.com/iprint</a></p> <p>Windows Server 2003/2003 R2 32-/64-bit (SP1/SP2) Standard/Enterprise/Datacenter (+ Cluster &amp; Terminal Services), Windows Server 2003/2003 R2 32-bit (SP1/SP2), Standard/Enterprise (+ Cluster &amp; Terminal Services), Windows Server 2008 32-/64-bit (SP2) Standard/Enterprise (+ Cluster &amp; Terminal Services), Windows Server 2008 R2 64-bit (SP1) Standard/Enterprise (+ Cluster &amp; Terminal Services), Windows Server 2008/2008 R2 32-/64-bit (SP1/SP2) Standard/Enterprise/Datacenter (+ Cluster &amp; Terminal Services), Windows Server 2012/2012 R2 64-bit Standard/Foundation/Essentials/Datacenter (+ Cluster &amp; Terminal Services), Windows Server 2016/ 64-bit Standard/ Essential/Datacenter (+ Cluster &amp; Terminal Services)</p>
<b>System requirements, Windows</b>	A compatible operating system (see above); 2 GB available hard disk space; OS hardware requirements (see <a href="http://microsoft.com">microsoft.com</a> )
<b>System requirements, Macintosh</b>	A compatible operating system (see above); Internet; 1.2 GB available hard disk space; OS hardware requirements (see <a href="http://apple.com">apple.com</a> )
<b>Dimensions (width x depth x height)</b>	Operating: 604 x 595 x 462 mm (23.8 x 23.4 x 18.2 in) Maximum: <sup>41</sup> 1270 x 1027 x 534 mm (35.25 x 23.25 x 21 in)
<b>Weight (with print cartridges)</b>	50.7 kg (111.7 lb)
<b>What's in the box</b>	HP PageWide Managed Color P75250dn; HP Setup Ink Cartridges; Installation guide; Support flyer; documentation on CD-ROM; Power cord
<b>Warranty</b>	90 days parts only warranty; Warranty and support options vary by product, country, and local legal requirements. Go to <a href="http://hp.com/support">hp.com/support</a> to learn about HP world-class service and support options in your region.
<b>Software included</b>	HP Connected, HP Device Experience (DXP), HP PCL 6 (XPS) Printer Driver, HP Software Installer/Uninstaller, Mac OS Welcome Screen (directs users to <a href="http://123.HP.com">123.HP.com</a> or OS App Source for printer software), online user manuals

## HP PageWide Managed Color P75250dn

<b>Environmental and power</b>	
Temperatures <sup>42</sup>	Recommended operating: 17 to 25° C (63 to 77° F); Operating: 15 to 30° C (59 to 86° F); Storage before initial setup (Non-Purged): -40 to 60° C (-40 to 140° F); Storage after initial setup (Purged): 0 to 60° C (32 to 140° F)
Relative humidity	Recommended operating range: 30 to 70% RH; Operating range: 10 to 80% RH; Non-operating range: 10 to 80% RH
Acoustic power emissions <sup>43</sup>	6.8 B(A) (printing A4 colour simplex at 51 ppm); Ready: inaudible
Acoustic pressure emissions	54 dB(A) (printing A4 colour simplex at 51 ppm); Ready: inaudible
Power <sup>44</sup>	Power supply type: Built-in power supply; Power requirements: Input voltage: 100 to 240 VAC, 50/60 Hz; Power Consumption: 171 watts (printing), 16.89 watts (ready), 0.99 watts (sleep), 0.2 watts (off)
Energy-saving features	HP Auto-On/Auto-Off Technology <sup>45</sup>
Environmental specifications	Blue Angel; ENERGY STAR® certified; EPEAT® Silver <sup>46</sup>
Safety and regulatory compliances	EN 60950-1:2006 + A11:2009 + A1:2010 + A12:2011 + A2:2013; IEC 60950-1:2005 + A1:2009 + A2:2013; EN 62471:2008 / IEC 62471:2010; EN 62479:2010 / IEC 62479:2010; China CCC, GS, UL Listed
Typical Electricity Consumption (TEC)	Blue Angel: 1.261 kWh/week; ENERGY STAR: 1.330 kWh/week

## HP PageWide Managed Color MFP P77440dn, P77940 series technical specifications

	HP PageWide Managed Color MFP P77440dn	HP PageWide Managed Color MFP P77940dn	HP PageWide Managed Color MFP P77940dns
<b>Product number</b>	Y3Z60A	Y3Z61A	Y3Z64A
<b>Functions</b>	Standard: Print, copy, scan; Optional: Fax ( <i>all models</i> )		
<b>Control panel/data entry</b>	10.9 cm (4.3-inch) colour touchscreen control panel; Easy-access USB <sup>27</sup>	20.3 cm (8.0-inch) pivoting colour touchscreen with illuminated Home button (for quick return to the Home menu); Easy-access USB; <sup>27</sup> Hardware Integration Pocket <sup>18</sup>	
<b>Print speed (A4 and letter)<sup>9</sup></b>			
Single-sided	Up to 40/60 ppm, Professional/General Office mode (black and colour) ( <i>all models</i> )		
Two-sided	Up to 28 ipm, Professional mode (black and colour) ( <i>all models</i> )		
<b>First page out</b>	From ready (A4 and letter): <sup>32</sup> as fast as 8 seconds, black; as fast as 8.3 seconds, colour From sleep (A4/letter): <sup>33</sup> as fast as 10.5/10.6 seconds, black; as fast as 10.5/11.4 seconds, colour		
<b>Print resolution</b>	Black: Up to 1200 x 1200 optimised dpi from 600 x 600 input dpi (on Unspecified, Plain, HP Premium Presentation Matte, and HP Brochure Matte); Colour: Up to 2400 x 1200 optimised dpi from 600 x 600 input dpi (on HP Advanced Photo Papers)		
<b>Scanning resolution</b>	Up to 600 dpi ( <i>all models</i> )		
<b>ADF scan speed (A4 and letter)<sup>12</sup></b>			
Single-sided	Up to 60 ppm (black and colour) ( <i>all models</i> )		
Two-sided	Up to 120 ipm (black and colour) ( <i>all models</i> )		
<b>Features</b>			
Printing	HP PageWide Technology with pigmented inks, HP EasyColor, 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 orientation, high-quality greyscale and black ink only, General Office/Professional/Presentation dpi print modes, control panel shortcuts, store print jobs; print from easy-access USB Microsoft Word and PowerPoint files		
Scanning	Flatbed scanner: 297 x 432 mm (11.7 x 17 in); 100-sheet ADF with single-pass, two-sided scanning up to 297 x 864 mm (11.7 x 34 in); <sup>25</sup> Advanced features: optimise text/picture, image adjustments, job build, output quality setting, selectable scan resolution 75 to 600 dpi, auto detect colour, edge erase, job notification, blank page suppression, HP Quick Sets; bit depth: 24 bit (colour); 8-bit (grey); Scan file type supported by software: Bitmap (.bmp), JPEG (.jpg), PDF (.pdf), PNG (.png), Rich Text (.rtf), Searchable PDF (.pdf), Text (.txt), TIFF (.tif)		

	HP PageWide Managed Color MFP P77440dn	HP PageWide Managed Color MFP P77940dn	HP PageWide Managed Color MFP P77940dns
Digital sending	Scan to email with LDAP email address lookup, scan to network folder, scan to USB, send to FTP, send to Internet fax, send to LAN Fax, blank page removal, edge erase, auto colour sense, scan to Microsoft SharePoint <sup>47</sup>		
File formats <sup>48</sup>	PDF, JPEG, TIFF, MTIFF, XPS, PDF/A; Scan to easy access USB: PDF, JPEG, TIFF, MTIFF, XPS, PDF/A; Print from easy access USB: PDF, PS, Print Ready files (.prn, .pcl, .cht)		
Copying	Copy speed: Up to 60/40 (colour/black) copies per minute and first copy out as fast as 9/10.8 (black/colour, letter) seconds; <sup>49</sup> auto scale, reduce/enlarge from scanner glass (25 to 400%), collate, auto-colour detection, two-sided copying, job build, image adjustments (darkness, background clean-up, sharpness); Copy resolution: Up to 600 x 600 dpi		
Optional faxing	Fax speed: <sup>50</sup> 33.6 kbps/3 seconds per page (A4/letter); fax forwarding, receive fax polling, broadcasting to up to 210 locations, speed dial up to 1000 numbers, each with 210 destinations, auto-fax reduction, auto-redialing, stored faxes, fax archiving, scale-to-fit, fax address book, LAN/Internet fax, fax number confirmation, holiday fax schedule; Fax memory: Up to 500 pages (black and white) Fax resolution: Black (standard): 204 x 98 dpi, black (fine): 204 x 196 dpi, black (best): 300 x 300 dpi (400 x 400 dpi for received faxes only); Colour: 300 x 300 dpi (400 x 400 dpi for received faxes only)		
<b>Processor</b>	1.2 GHz ( <i>all models</i> )		
<b>Memory</b>	2816 MB/3584 MB (standard/maximum) <sup>51</sup> ( <i>all models</i> )		
<b>Storage</b>	eMMC solid state drive (SSD) for printer operating system and job storage		
<b>Durability ratings</b>			
RMPV <sup>35</sup>	2,500 pages to as high as 30,000 pages ( <i>all models</i> )		
RMSV <sup>26</sup>	2,000 pages to as high as 50,000 pages ( <i>all models</i> )		
Duty cycle <sup>36</sup>	Up to 150,000 pages ( <i>all models</i> )		
<b>Media specifications</b>			
Input capacity	Up to 1,200 sheets (up to 5,200 sheets maximum) <sup>15</sup> Tray 1: up to 100 sheets Tray 2: up to 550 sheets Tray 3: up to 550 sheets	Up to 650 sheets (up to 4,650 sheets maximum) <sup>15</sup> Tray 1: up to 100 sheets Tray 2: up to 550 sheets	
Output capacity	Up to 500 sheets		Up to 850 sheets, including 350-sheet inner finisher with stapler (staples up to 50 sheets)
Two-sided printing	Automatic ( <i>all models</i> )		
Media sizes	Tray 1: A3, A4, A4-R, A5, A5-R, A6, RA3, RA4, SRA4, B4, B5 (JIS), 8K (270 x 390 mm), 16K (195 x 270 mm), 8K (260 x 368 mm), 16K (184 x 260 mm), 8K (273 x 394 mm), 16K (197 x 273 mm), oficio (216 x 340 mm), envelopes (B5, C5, C6); 12 x 18 in, 11 x 17 in, legal, oficio (8.5 x 13 in), letter, letter-R, executive, statement, 5 x 8 in, 5 x 7 in, 4 x 6 in, envelope #10; Custom media sizes: 99.1 x 127 to 304.8 x 457.2 mm (3.9 x 5.83 to 12 x 18 in) Tray 2 (MFP P77940 models): A3, A4, A4-R, A5, SRA4, B4, B5 (JIS), 8K (270 x 390 mm), 16K (195 x 270 mm), 8K (260 x 368 mm), 16K (184 x 260 mm), 8K (273 x 394 mm), 16K (197 x 273 mm), oficio (216 x 340 mm); 11 x 17 in, legal, oficio (8.5 x 13 in), letter, letter-R, executive; Custom media sizes: 210.1 x 148.1 to 297.2 x 431.8 mm (8.27 x 5.83 to 11.7 x 17 in) Trays 2 and 3 (tandem, on MFP P77440dn only): letter, executive; A4, A5, B5; Custom media sizes: 5.83 x 8.27 in to 8.5 x 11.7 in (148 x 210 mm to 216 x 297 mm) Optional 1x550 tray, 1x550 tray/stand, 3x550 tray/stand: A3, A4, A4-R, A5, SRA4, B4, B5 (JIS), 8K (270 x 390 mm), 16K (195 x 270 mm), 8K (260 x 368 mm), 16K (184 x 260 mm), 8K (273 x 394 mm), 16K (197 x 273 mm), oficio (216 x 340 mm); 11 x 17 in, legal, oficio (8.5 x 13 in), letter, letter-R, executive; Custom media sizes: 210.1 x 148.1 to 297.2 x 431.8 mm (8.27 x 5.83 to 11.7 x 17 in) Optional HCl: A4 and letter only Duplex: A3, A4, A5, B5; Letter; legal; oficio; executive; ledger(B) ADF: A3, ledger, B4-JIS, A4, B5-JIS, A5, B6-JIS, A6; 11.7 x 34 in, legal, 8.5 x 13 in, letter		
Media weights	Tray 1: 60 to 220 g/m <sup>2</sup> (16 to 58 lb), 300 g/m <sup>2</sup> (80 lb) photo paper only Tray 2, trays 2 and 3 (tandem), optional trays 3-5, optional HCl: 60 to 220 g/m <sup>2</sup> (16 to 58 lb) ADF: 60 to 120 g/m <sup>2</sup> (16 to 32 lb), plain paper; 125 to 300 g/m <sup>2</sup> (33 to 80 lb), photo; 75 to 90 g/m <sup>2</sup> (20 to 24 lb), envelope; 120 to 180 g/m <sup>2</sup> (32 to 48 lb), brochure; 163 g/m <sup>2</sup> (90 lb), card		
Media types	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, Pre-printed, Pre-punched, Coloured, Bond, Recycled, Rough		
<b>Print languages</b>	HP PCLXL (PCL6), PCL5, native PDF, HP Postscript level 3 emulation, PJI, JPEG, PCLM		
<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 font (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>		

	HP PageWide Managed Color MFP P77440dn	HP PageWide Managed Color MFP P77940dn	HP PageWide Managed Color MFP P77940dns
<b>Connectivity</b>	1 Hi-Speed Device USB 2.0; 2 Hi-Speed USB 2.0 Host (1 easy-access and 1 external accessible); 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket <sup>18</sup>		
<b>Mobile printing</b>	Standard: HP ePrint, <sup>37</sup> Apple AirPrint, <sup>38</sup> Mopria-certified, Google Cloud Print Optional: Wireless direct printing, <sup>30</sup> NFC touch-to-print, <sup>39</sup> and Bluetooth Low Energy <sup>31</sup>		
<b>Network capabilities</b>	Standard: via HP Jetdirect Ethernet embedded print server supports: 10Base-T, 100Base-Tx, 1000Base-T; 802.3az (EEE) support on Fast Ethernet and Gigabit Ethernet; IPsec Optional: 802.11a/b/g/n wireless networking (with purchase of optional HP Jetdirect 2900nw Print Server) <sup>30</sup>		
<b>Network protocols</b>	IPv4/IPv6: Apple Bonjour Compatible (Mac OS v10.2.4 or higher), 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		
<b>Security</b>	<p>Identity Management: Kerberos authentication, LDAP authentication, 1000 user PIN codes, optional HP and third-party advanced authentication solutions (e.g., badge readers)</p> <p>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, HP Trusted Platform Module (TPM) comes standard</p> <p>Data: Storage Encryption, Encrypted PDF and Email (uses FIPS 140 validated cryptographic libraries from Microsoft), Secure Erase, SSL/TLS (HTTPS), Encrypted Credentials</p> <p>Device: Security lock slot, USB port disablement, Hardware Integration Pocket for security solutions,<sup>17</sup> Intrusion Detection with Red Balloon Security Technology (constant in-device monitoring for attacks), HP Sure Start Secure Boot (BIOS integrity checking with self-healing capability), whitelisting (loads only known good code (DLLs, EXEs, etc.)), HP Connection Inspector (checks outgoing network connections to stop suspicious requests; may require a firmware update)</p> <p>Security Management: Compatible with HP JetAdvantage Security Manager,<sup>21</sup> Device Security Syslog Messages processed and accessible in ArcSight, Splunk, McAfee, and SIEMonster SIEMs</p> <p>For more security settings go to <a href="http://h10032.www1.hp.com/ctg/Manual/c03602120">http://h10032.www1.hp.com/ctg/Manual/c03602120</a></p>		
<b>Printer management</b>	Optional HP JetAdvantage Security Manager; <sup>21</sup> HP SNMP Proxy Agent; HP Web Jetadmin Software; <sup>20</sup> Printer Administrator Resource Kit for HP Universal Print Driver <sup>24</sup>		
<b>Compatible operating systems<sup>40</sup></b>	<p>Windows OS: Windows 10 all 32- and 64-bit editions (excluding RT OS for Tablets), Windows 7 all 32- and 64-bit editions, Windows 8/8.1 all 32- and 64-bit editions (excluding RT OS for Tablets), Windows Vista all 32-bit editions (Home Basic, Premium, Professional, etc.), Windows XP SP3 32-bit editions (XP Home, XP Pro, etc.)</p> <p>Mac OS: 10.12 Sierra, OS X 10.10 Yosemite, OS X 10.11 El Capitan</p> <p>Mobile OS: Android</p> <p>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, 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)</p> <p>Other OS: UNIX</p>		
<b>Compatible network operating systems</b>	<p>Citrix MetaFrame Presentation Server 3.0, Citrix MetaFrame XP Presentation Server (Feature Release 1, 2, and 3), Citrix on Windows Server 2003/2003R2, Citrix on Windows Server 2008/2008R2/2008 R2 SP1, Citrix on Windows Server 2012/2012R2, Citrix Presentation Server 4.0/4.5, Citrix XenApp 5.0 (plus Feature Pack 2 &amp; 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 SP1 Terminal Services, 32- and 64-bit), Citrix XenDesktop 7.0/7.5 (for Windows Server 2012 and 2012 R2 Terminal Services, 64-bit)</p> <p>Novell NetWare 6.5/SP8 Novell Clients <a href="http://novell.com/iprint">novell.com/iprint</a>, Novell iPrint Appliance v1.0, Novell Open Enterprise Server 11/SP1, Novell Open Enterprise Server 2 for Linux, Novell Servers <a href="http://novell.com/iprint">novell.com/iprint</a></p> <p>Windows Server 2003/2003 R2 32-/64-bit (SP1/SP2) Standard/Enterprise/Datacenter (+ Cluster &amp; Terminal Services), Windows Server 2003/2003 R2 32-bit (SP1/SP2), Standard/Enterprise (+ Cluster &amp; Terminal Services), Windows Server 2008 32-/64-bit (SP2) Standard/Enterprise (+ Cluster &amp; Terminal Services), Windows Server 2008 R2 64-bit (SP1) Standard/Enterprise (+ Cluster &amp; Terminal Services), Windows Server 2008/2008 R2 32-/64-bit (SP1/SP2) Standard/Enterprise/Datacenter (+ Cluster &amp; Terminal Services), Windows Server 2012/2012 R2 64-bit Standard/Foundation/Essentials/Datacenter (+ Cluster &amp; Terminal Services), Windows Server 2016/64-bit Standard/ Essential/Datacenter (+ Cluster &amp; Terminal Services)</p>		
<b>System requirements, Windows</b>	A compatible operating system (see above); 2 GB available hard disk space; OS hardware requirements (see <a href="http://microsoft.com">microsoft.com</a> )		
<b>System requirements, Macintosh</b>	A compatible operating system (see above); Internet; 1.2 GB available hard disk space; OS hardware requirements (see <a href="http://apple.com">apple.com</a> )		
<b>Dimensions (width x depth x height)</b>	<p>Operating: 604 x 604 x 664 mm (23.8 x 23.8 x 26.2 in)</p> <p>Maximum:<sup>41</sup> 1270 x 1027 x 946 mm (50.0 x 40.4 x 37.3 in)</p>	<p>Operating: 604 x 652 x 664 mm (23.8 x 25.7 x 26.2 in)</p> <p>Maximum:<sup>41</sup> 1270 x 1027 x 946 mm (50.0 x 40.4 x 37.3 in)</p>	<p>Operating: 604 x 652 x 772 mm (23.8 x 25.7 in x 30.4 in)</p> <p>Maximum:<sup>41</sup> 1270 x 1027 x 1054 mm (50.0 x 40.4 x 41.5 in)</p>

	HP PageWide Managed Color MFP P77440dn	HP PageWide Managed Color MFP P77940dn	HP PageWide Managed Color MFP P77940dns
<b>Weight (with print cartridges)</b>	66.8 kg (146.9 lb)	66.6 kg (146.5 lb)	82.32 kg (181.5 lb)
<b>What's in the box</b>	HP PageWide Managed Color MFP; HP Setup Ink Cartridges; Installation guide; Support flyer; documentation on CD-ROM; Power cord		
<b>Warranty</b>	90-day parts only warranty; Warranty and support options vary by product, country, and local legal requirements. Go to <a href="http://hp.com/support">hp.com/support</a> to learn about HP world-class service and support options in your region.		
<b>Software included<sup>48</sup></b>	HP Device Experience (DXP), HP PCL 6 (XPS) Printer Driver, HP Software Installer/Uninstaller, Mac OS Welcome Screen (directs users to <a href="http://123.HP.com">123.HP.com</a> or OS App Source for printer software), online user manuals		
<b>Environmental and power</b>			
Temperatures <sup>42</sup>	Recommended operating: 17 to 25° C (63 to 77° F); Operating: 15 to 30° C (59 to 86° F); Storage before initial setup (Non-Purged): -40 to 60° C (-40 to 140° F); Storage after initial setup (Purged): 0 to 60° C (32 to 140° F).		
Relative humidity	Recommended operating range: 30 to 70% RH; Operating range: 10 to 80% RH; Non-operating range: 10 to 80% RH		
Acoustic power emissions <sup>43</sup>	Ready mode: Inaudible Active print: 6.6 B(A) Active copy: 6.8 B(A) Active scan: 6.6 B(A)	Ready mode: Inaudible Active print: 6.8 B(A) Active copy: 6.8 B(A) Active scan: 6.6 B(A)	Ready mode: Inaudible Active print: 7 B(A) Active copy: 7 B(A) Active scan: 6.6 B(A)
Acoustic pressure emissions	Ready mode: Inaudible Active print: 51 dB(A) Active scan: 51 dB(A)	Ready mode: Inaudible Active print: 53 dB(A) Active scan: 52 dB(A)	Ready mode: Inaudible Active print: 54 dB(A) Active scan: 50 dB(A)
Power <sup>44</sup>	Power supply type: 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)		
Energy-saving features	HP Auto-On/Auto-Off Technology <sup>45</sup> ( <i>all models</i> )		
Environmental specifications	Blue Angel compliant; ENERGY STAR certified; EPEAT Gold <sup>46</sup> ( <i>all models</i> )		
Typical Electricity Consumption (TEC)	Blue Angel: 1.548 kWh/week; ENERGY STAR: 1.533 kWh/week ( <i>all models</i> )		

## HP PageWide Managed Color MFP P77950, MFP P77960 series technical specifications

	HP PageWide Managed Color MFP P77950dn	HP PageWide Managed Color MFP P77950dns	HP PageWide Managed Color MFP P77960dn	HP PageWide Managed Color MFP P77960dns
<b>Product number</b>	Y3Z62A	Y3Z66A	Y3Z63A	Y3Z68A
<b>Functions</b>	Standard: print, copy, scan; Optional: fax			
<b>Control panel/data entry</b>	20.3 cm (8.0-inch) pivoting colour touchscreen; Easy-access USB; <sup>27</sup> Hardware Integration Pocket <sup>18</sup>			
<b>Print speed (A4 and letter)<sup>9</sup></b>				
Single-sided	Up to 50/70 ppm, Professional/General Office mode (black and colour)		Up to 60/80 ppm, Professional/General Office mode (black and colour)	
Two-sided	Up to 35 ipm, Professional mode (black and colour)		Up to 40 ipm, Professional mode (black and colour)	
<b>First page out (black and colour, A4 and letter)</b>	From ready (A4/letter): <sup>32</sup> as fast as 7.7/7.6 seconds, black; as fast as 8/7.9 seconds, colour From sleep (A4/letter): <sup>33</sup> as fast as 11.2/11.1 seconds, black; as fast as 11.3/11.3 seconds, colour		From ready (A4 and letter): <sup>32</sup> as fast as 6.7 seconds, black; as fast as 6.9 seconds, colour From sleep (A4 and letter, black and colour): <sup>33</sup> as fast as 11.3 seconds	
<b>Print resolution</b>	Black: Up to 1200 x 1200 optimised dpi from 600 x 600 input dpi (on Unspecified, Plain, HP Premium Presentation Matte, and HP Brochure Matte); Colour: Up to 2400 x 1200 optimised dpi from 600 x 600 input dpi (on HP Advanced Photo Papers)			
<b>Scanning resolution</b>	Up to 600 dpi ( <i>all models</i> )			
<b>ADF scan speed (A4 and letter)<sup>12</sup></b>				
Single-sided	Up to 60 ppm (black and colour) ( <i>all models</i> )			
Two-sided	Up to 120 ipm (black and colour) ( <i>all models</i> )			

	HP PageWide Managed Color MFP P77950dn	HP PageWide Managed Color MFP P77950dns	HP PageWide Managed Color MFP P77960dn	HP PageWide Managed Color MFP P77960dns
<b>Features</b>				
Printing	HP PageWide Technology with pigmented inks, HP EasyColor, 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 orientation, high-quality greyscale and black ink only, General Office/Professional/Presentation dpi print modes, control panel shortcuts, store print jobs; print from easy-access USB Microsoft Word and PowerPoint files			
Scanning	Flatbed scanner: 297 x 432 mm (11.7 x 17 in); 100-sheet ADF with single-pass, two-sided scanning up to 297 x 864 mm (11.7 x 34 in); <sup>25</sup> Advanced features: optimise text/picture, image adjustments, job build, output quality setting, selectable scan resolution 75 to 600 dpi, auto detect colour, edge erase, job notification, blank page suppression, HP Quick Sets; bit depth: 24 bit (colour); 8-bit (grey); Scan file type supported by software: Bitmap (.bmp), JPEG (.jpg), PDF (.pdf), PNG (.png), Rich Text (.rtf), Searchable PDF (.pdf), Text (.txt), TIFF (.tif)			
Digital sending	Scan to email with LDAP email address lookup, scan to network folder, scan to USB, send to FTP, send to Internet fax, send to LAN Fax, blank page removal, edge erase, auto colour sense, scan to Microsoft SharePoint <sup>49</sup>			
File formats <sup>48</sup>	PDF, JPEG, TIFF, MTIFF, XPS, PDF/A; Scan to easy-access USB: PDF, JPEG, TIFF, MTIFF, XPS, PDF/A; Print from easy-access USB: PDF, PS, print ready files (.prn, .pcl, .cht)			
Copying	Copy speed: up to 50 copies per minute (black and colour) and first copy out as fast as 8.9/9.5 seconds (black/colour) <sup>49</sup>		Copy speed: up to 60/40 (colour/black) copies per minute and first copy out as fast as 7.3/9.3 seconds (black/colour) <sup>49</sup>	
	Auto-scale, reduce/enlarge from scanner glass (25 to 400%), collate, auto-colour detection, two-sided copying, job build, image adjustments (darkness, background clean-up, sharpness); Copy resolution: Up to 600 x 600 dpi			
Optional faxing	Fax speed: <sup>50</sup> 33.6 kbps/3 seconds per page (A4/letter); fax forwarding, receive fax polling, broadcasting to up to 210 locations, speed dial up to 1000 numbers, each with 210 destinations, auto-fax reduction, auto-redialling, stored faxes, fax archiving, scale-to-fit, fax address book, LAN/Internet fax, fax number confirmation, holiday fax schedule Fax resolution: Black (standard): 204 x 98 dpi, black (fine): 204 x 196 dpi, black (best): 300 x 300 dpi (400 x 400 dpi for received faxes only); Colour: 300 x 300 dpi (400 x 400 dpi for received faxes only)			
<b>Processor</b>	1.2 GHz ( <i>all models</i> )			
<b>Memory</b>	2816 MB/3584 MB (standard/max) <sup>51</sup> ( <i>all models</i> )			
<b>Storage</b>	eMMC solid state drive (SSD) for printer operating system and job storage			
<b>Durability ratings</b>				
RMPV <sup>35</sup>	2,500 pages to as high as 40,000 pages		2,500 pages to as high as 50,000 pages	
RMSV <sup>26</sup>	2,000 pages to as high as 75,000 pages ( <i>all models</i> )			
Duty cycle <sup>36</sup>	Up to 200,000 pages		Up to 250,000 pages	
<b>Media specifications</b>				
Input capacity	Up to 650 sheets (up to 4,650 sheets maximum <sup>15</sup> ) ( <i>all models</i> ) Tray 1: up to 100 sheets Tray 2: up to 550 sheets			
Output capacity	Up to 500 sheets	Up to 850 sheets, including standard 350-sheet inner finisher with stapler (staples up to 50 sheets)	Up to 500 sheets	Up to 850 sheets, including standard 350-sheet inner finisher with stapler (staples up to 50 sheets)
Two-sided printing	Automatic ( <i>all models</i> )			
Media sizes	Tray 1: A3, A4, A4-R, A5, A5-R, A6, RA3, RA4, SRA4, B4, B5 (JIS), 8K (270 x 390 mm), 16K (195 x 270 mm), 8K (260 x 368 mm), 16K (184 x 260 mm), 8K (273 x 394 mm), 16K (197 x 273 mm), oficio (216 x 340 mm), envelopes (B5, C5, C6); 12 x 18 in, 11 x 17 in, legal, oficio (8.5 x 13 in), letter, letter-R, executive, statement, 5 x 8 in, 5 x 7 in, 4 x 6 in, envelope #10; Custom media sizes: 99.1 x 127 to 304.8 x 457.2 mm (3.9 x 5.83 to 12 x 18 in) Tray 2: A3, A4, A4-R, A5, SRA4, B4, B5 (JIS), 8K (270 x 390 mm), 16K (195 x 270 mm), 8K (260 x 368 mm), 16K (184 x 260 mm), 8K (273 x 394 mm), 16K (197 x 273 mm), oficio (216 x 340 mm); 11 x 17 in, legal, oficio (8.5 x 13 in), letter, letter-R, executive; Custom media sizes: 210.1 x 148.1 to 297.2 x 431.8 mm (8.27 x 5.83 to 11.7 x 17 in) Optional 1x550 tray, 1x550 tray/stand, 3x550 tray/stand: A3, A4, A4-R, A5, SRA4, B4, B5 (JIS), 8K (270 x 390 mm), 16K (195 x 270 mm), 8K (260 x 368 mm), 16K (184 x 260 mm), 8K (273 x 394 mm), 16K (197 x 273 mm), oficio (216 x 340 mm); 11 x 17 in, legal, oficio (8.5 x 13 in), letter, letter-R, executive; Custom media sizes: 210.1 x 148.1 to 297.2 x 431.8 mm (8.27 x 5.83 to 11.7 x 17 in) Optional HCI: A4 and letter only Duplex: A3, A4, A5, B5; Letter; legal; oficio; executive; ledger(B) ADF: A3, ledger, B4-JIS, A4, B5-JIS, A5, B6-JIS, A6; 11.7 x 34 in, legal, 8.5 x 13 in, letter			
Media weights	Tray 1: 60 to 220 g/m <sup>2</sup> (16 to 58 lb), 300 g/m <sup>2</sup> (80 lb) photo paper only Tray 2, optional trays 3-5, optional HCI: 60 to 220 g/m <sup>2</sup> (16 to 58 lb) ADF: 160 to 120 g/m <sup>2</sup> (6 to 32 lb), plain paper; 125 to 300 g/m <sup>2</sup> (33 to 80 lb), photo; 75 to 90 g/m <sup>2</sup> (20 to 24 lb), envelope; 120 to 180 g/m <sup>2</sup> (32 to 48 lb), brochure; 163 g/m <sup>2</sup> (90 lb), card			

	HP PageWide Managed Color MFP P77950dn	HP PageWide Managed Color MFP P77950dns	HP PageWide Managed Color MFP P77960dn	HP PageWide Managed Color MFP P77960dns
Media types	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			
Print languages	HP PCLXL (PCL6), PCL5, native PDF, HP Postscript level 3 emulation, PDL, JPEG, PCLM			
Fonts	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 font (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>			
Connectivity	1 Hi-Speed Device USB 2.0; 2 Hi-Speed USB 2.0 Host (1 easy-access and 1 external accessible); 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket <sup>18</sup>			
Mobile printing	Standard: HP ePrint, <sup>37</sup> Apple AirPrint, <sup>38</sup> Mopria-certified, Google Cloud Print Optional: Wireless direct printing, <sup>30</sup> NFC touch-to-print, <sup>39</sup> and Bluetooth Low Energy <sup>31</sup>			
Network capabilities	Standard: via HP Jetdirect Ethernet embedded print server supports: 10Base-T, 100Base-Tx, 1000Base-T; 802.3az (EEE) support on Fast Ethernet and Gigabit Ethernet; IPsec Optional: 802.11a/b/g/n wireless networking (with purchase of optional HP Jetdirect 2900nw Print Server) <sup>30</sup>			
Network protocols	IPv4/IPv6: Apple Bonjour Compatible (Mac OS v10.2.4 or higher), 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			
Security	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, HP Trusted Platform Module (TPM) comes standard 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, <sup>17</sup> Intrusion Detection with Red Balloon Security Technology (constant in-device monitoring for attacks), HP Sure Start Secure Boot (BIOS integrity checking with self-healing capability), whitelisting (loads only known good code (DLLs, EXEs, etc.)), HP Connection Inspector (checks outgoing network connections to stop suspicious requests; may require a firmware update) Security Management: Compatible with HP JetAdvantage Security Manager, <sup>21</sup> Device Security Syslog Messages processed and accessible in ArcSight, Splunk, McAfee, and SIEMonster SIEMs For more security settings go to <a href="http://h10032.www1.hp.com/ctg/Manual/c03602120">http://h10032.www1.hp.com/ctg/Manual/c03602120</a>			
Printer management	Optional HP JetAdvantage Security Manager; <sup>21</sup> HP SNMP Proxy Agent; HP Web Jetadmin Software; <sup>20</sup> Printer Administrator Resource Kit for HP Universal Print Driver <sup>24</sup>			
Compatible operating systems <sup>37</sup>	Windows OS: Windows 10 all 32- and 64-bit editions (excluding RT OS for Tablets), Windows 7 all 32- and 64-bit editions, Windows 8/8.1 all 32- and 64-bit editions (excluding RT OS for Tablets), Windows Vista all 32-bit editions (Home Basic, Premium, Professional, etc.), Windows XP SP3 32-bit editions (XP Home, XP Pro, etc.) Mac OS: 10.12 Sierra, OS X 10.10 Yosemite, OS X 10.11 El Capitan Mobile OS: Android Linux: 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, 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) Other OS: UNIX			
Compatible network operating systems	Citrix MetaFrame Presentation Server 3.0, Citrix MetaFrame XP Presentation Server (Feature Release 1, 2, and 3), Citrix on Windows Server 2003/2003R2, Citrix on Windows Server 2008/2008R2/2008 R2 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 SP1 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 <a href="http://novell.com/iprint">novell.com/iprint</a> , Novell iPrint Appliance v1.0, Novell Open Enterprise Server 11/SP1, Novell Open Enterprise Server 2 for Linux, Novell Servers <a href="http://novell.com/iprint">novell.com/iprint</a> Windows Server 2003/2003 R2 32-/64-bit (SP1/SP2) Standard/Enterprise/Datacenter (+ Cluster & Terminal Services), Windows Server 2003/2003 R2 32-bit (SP1/SP2), Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008 32-/64-bit (SP2) 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 (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)			

	HP PageWide Managed Color MFP P77950dn	HP PageWide Managed Color MFP P77950dns	HP PageWide Managed Color MFP P77960dn	HP PageWide Managed Color MFP P77960dns
<b>System requirements, Windows</b>	A compatible operating system (see above); 2 GB available hard disk space; OS hardware requirements (see <a href="http://microsoft.com">microsoft.com</a> )			
<b>System requirements, Macintosh</b>	A compatible operating system (see above); Internet; 1.3 GB available hard disk space; OS hardware requirements (see <a href="http://apple.com">apple.com</a> )			
<b>Dimensions (width x depth x height)</b>	Operating: 604 x 652 x 664 mm (23.8 x 25.7 x 26.2 in) Maximum: <sup>41</sup> 1270 x 1027 x 946 mm (50 x 40.4 x 37.3 in)	Operating: 604 x 652 x 772 mm (23.8 x 25.7 x 30.4 in) Maximum: <sup>41</sup> 1270 x 1027 x 1054 mm (50.0 x 40.4 x 41.5 in)	Operating: 604 x 652 x 664 mm (23.8 x 25.7 x 26.2 in) Maximum: <sup>41</sup> 1270 x 1027 x 946 mm (50.0 x 40.4 x 37.3 in)	Operating: 604 x 652 x 772 mm (23.8 x 25.7 x 30.4 in) Maximum: <sup>41</sup> 1270 x 1027 x 1054 mm (50.0 x 40.4 x 41.5 in)
<b>Weight (with print cartridges)</b>	66.6 kg (146.5 lb)	82.5 kg (181.5 lb)	66.6 kg (146.5 lb)	82.5 kg (181.5 lb)
<b>What's in the box</b>	HP PageWide Managed Color MFP; HP Setup Ink Cartridges; Installation guide; Support flyer; documentation on CD-ROM; Power cord			
<b>Warranty</b>	90-day parts only warranty; Warranty and support options vary by product, country, and local legal requirements. Go to <a href="http://hp.com/support">hp.com/support</a> to learn about HP world-class service and support options in your region.			
<b>Software included<sup>48</sup></b>	HP Device Experience (DXP), HP PCL 6 (XPS) Printer Driver, HP Software Installer/Uninstaller, Mac OS Welcome Screen (directs users to <a href="http://123.HP.com">123.HP.com</a> or OS App Source for printer software), online user manuals			
<b>Environmental and power</b>				
Temperatures <sup>42</sup>	Recommended operating: 17 to 25° C (63 to 77° F); Operating: 15 to 30° C (59 to 86° F); Storage before initial setup (Non Purged): -40 to 60° C (-40 to 140° F); Storage after initial setup (Purged): 0 to 60° C (32 to 140° F).			
Relative humidity	Recommended operating range: 30 to 70% RH; Operating range: 10 to 80% RH; Non-operating range: 0 to 80% RH			
Acoustic power emissions <sup>43</sup>	Ready mode: Inaudible Active print: 6.8 B(A) Active copy: 6.9 B(A) Active scan: 6.6 B(A)	Ready mode: Inaudible Active print: 6.7 B(A) Active copy: 6.8 B(A) Active scan: 6.7 B(A)	Ready mode: Inaudible Active print: 6.8 B(A) Active copy: 6.9 B(A) Active scan: 6.7 B(A)	Ready mode: Inaudible Active print: 6.8 B(A) Active copy: 6.9 B(A) Active scan: 6.7 B(A)
Acoustic pressure emissions	Ready mode: Inaudible Active print: 54 dB(A) Active scan: 52 dB(A)	Ready mode: Inaudible Active print: 53 dB(A) Active scan: 51 dB(A)	Ready mode: Inaudible Active print: 54 dB(A) Active scan: 52 dB(A)	Ready mode: Inaudible Active print: 54 dB(A) Active scan: 52 dB(A)
Power <sup>44</sup>	Power supply type: Built-in power supply; Power requirements: Input voltage: 100 to 240 VAC, 50/60 Hz; Power Consumption: 475 watts (print/copy), 32 watts (ready), 1.4 watts (sleep), 0.2 watts (off)			
Energy-saving features	HP Auto-On/Auto-Off Technology <sup>45</sup> ( <i>all models</i> )			
Environmental specifications	Blue Angel compliant; ENERGY STAR certified; EPEAT Silver <sup>46</sup> ( <i>all models</i> )			
Typical Electricity Consumption (TEC)	Blue Angel: 1.548 kWh/week; ENERGY STAR: 1.687 kWh/week		Blue Angel: 1.548 kWh/week; ENERGY STAR: 1.689 kWh/week	

# Ordering information

<b>Product</b>	HP PageWide Managed Color P75250dn HP PageWide Managed Color MFP P77440dn HP PageWide Managed Color MFP P77940dn HP PageWide Managed Color MFP P77940dns HP PageWide Managed Color MFP P77950dn HP PageWide Managed Color MFP P77950dns HP PageWide Managed Color MFP P77960dn HP PageWide Managed Color MFP P77960dns	Y3Z49A Y3Z60A Y3Z61A Y3Z64A Y3Z62A Y3Z66A Y3Z63A Y3Z68A
<b>Supplies<sup>52</sup></b>	<p><b>MFP P77440dn/P77940 series models:</b> HP 991 AC Black Managed PageWide Cartridge (~20,000 pages)<sup>52</sup> HP 991 AC Cyan Managed PageWide Cartridge (~16,000 pages)<sup>52</sup> HP 991 AC Yellow Managed PageWide Cartridge (~16,000 pages)<sup>52</sup> HP 991 AC Magenta Managed PageWide Cartridge (~16,000 pages)<sup>52</sup></p> <p><b>P75250dn printer/MFP P77950/60 series models:</b> HP 991 XC Black Managed PageWide Cartridge (~22,000 pages)<sup>52</sup> HP 991 XC Cyan Managed PageWide Cartridge (~16,000 pages)<sup>52</sup> HP 991 XC Yellow Managed PageWide Cartridge (~16,000 pages)<sup>52</sup> HP 991 XC Magenta Managed PageWide Cartridge (~16,000 pages)<sup>52</sup></p> <p><b>All models:</b> HP PageWide Printhead Wiper Kit (~150,000 pages) HP PageWide Service Fluid Container (~150,000 pages) HP PageWide Roller Kit (~150,000 pages)</p> <p><b>MFP models only:</b> HP PageWide ADF Roller Replacement Kit (~50,000 pages)</p> <p><b>MFP P77940dns/50dns/60dns models only:</b> HP Staple Cartridge Refill (5,000 staples)</p>	X4D19AC X4D10AC X4D13AC X4D16AC  M0K29XC M0K06XC M0K10XC M0K25XC  W1B43A W1B44A W1B45A  W1B47A  J8J96A
<b>Accessories</b>	HP PageWide Managed 550-sheet Paper Tray HP PageWide Managed 550-sheet Paper Tray and Stand HP PageWide Managed 3x550-sheet Paper Tray and Stand HP PageWide Managed 4000-sheet HCI Paper Tray and Stand HP 1 GB DDR3 x 32 144-Pin 800 MHz SODIMM HP Foreign Interface Harness HP Jetdirect 2900nw Print Server <sup>30</sup> HP Jetdirect 3000w NFC/Wireless Accessory <sup>39</sup> HP LaserJet MFP Analog Fax Accessory 500 HP Internal USB ports HP 128 GB Memory Module	P1V16A P1V17A P1V18A P1V19A E5K48A B5L31A J8031A J8030A CC487A B5L28A W1B49A
<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 JetAdvantage On Demand Cloud Solutions: <a href="http://hp.com/go/jetadvantageondemand">hp.com/go/jetadvantageondemand</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/printing_solutions">hp.com/go/printing_solutions</a>	

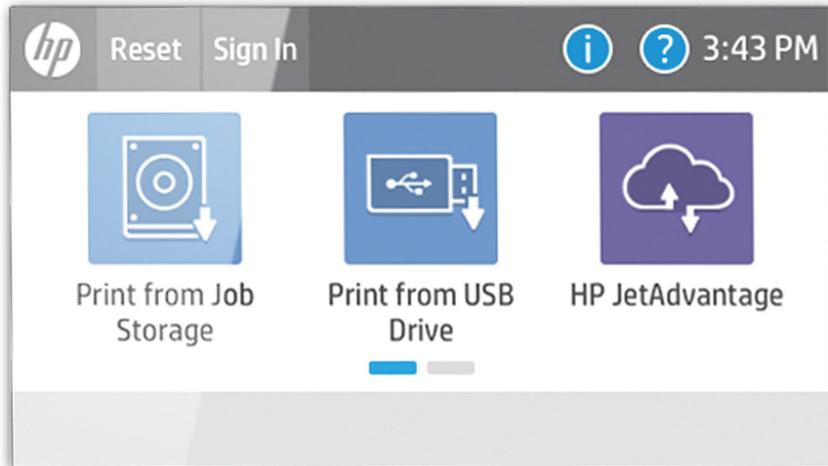
# Appendix A: Control panel features

## Upgrade to a modern interface

The HP PageWide Managed Color P75250dn, MFP P77440dn, and MFP P77940/50/60 series models are powered by HP FutureSmart 4.0 firmware. The modern, tablet-like interface (20.3 cm on the MFP 77940/50/60 models, 10.9 cm (4.3-inch) on the P77250dn printer and MFP P77440dn) keeps things simple and intuitive across your fleet of devices. A scalable control panel interface improves future extensibility and allows for customisation, along with a robust set of new apps and usability features. You can even customise with your own wallpaper image and company logo. The new Message Center, with more detailed information and helpful animations, makes it easy to address device events. The simplified home screen displays just a few core apps by default (three apps for products without fax). Additional apps are easily accessed by swiping right to left, like with a smartphone or tablet.



To access additional apps on the new printer user interface, simply swipe right to left

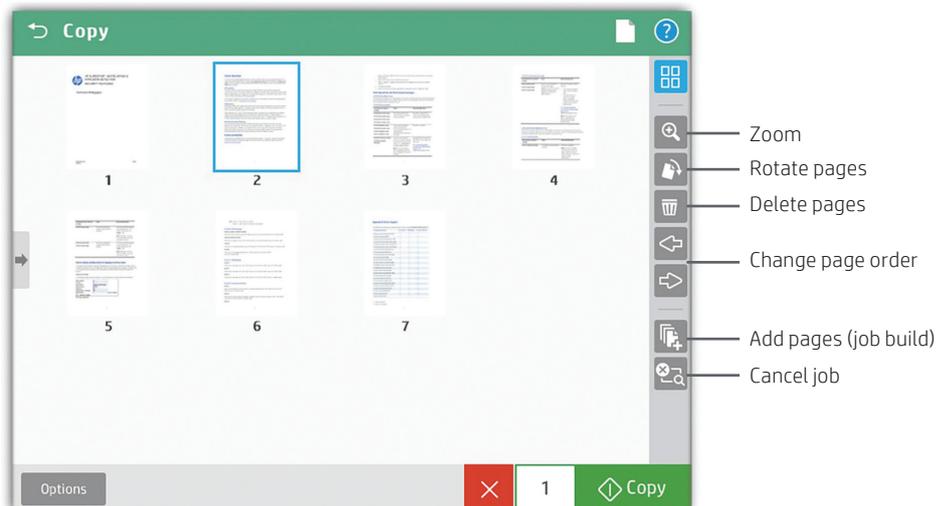


## Edit jobs right at the MFP

The MFP control panel features an enhanced image preview—now for both copies and scans. Right from the MFP's 20.3 cm colour touchscreen control panel, you can easily preview and edit scans before sending them. You can apply changes (like rotating) to a single page, or to multiple pages at once. Batch separation allows users to create separate PDF or PDF/A files from scanned pages.



The new MFP user interface enables **swipe**, **rotate**, and **drag-and-drop** capabilities



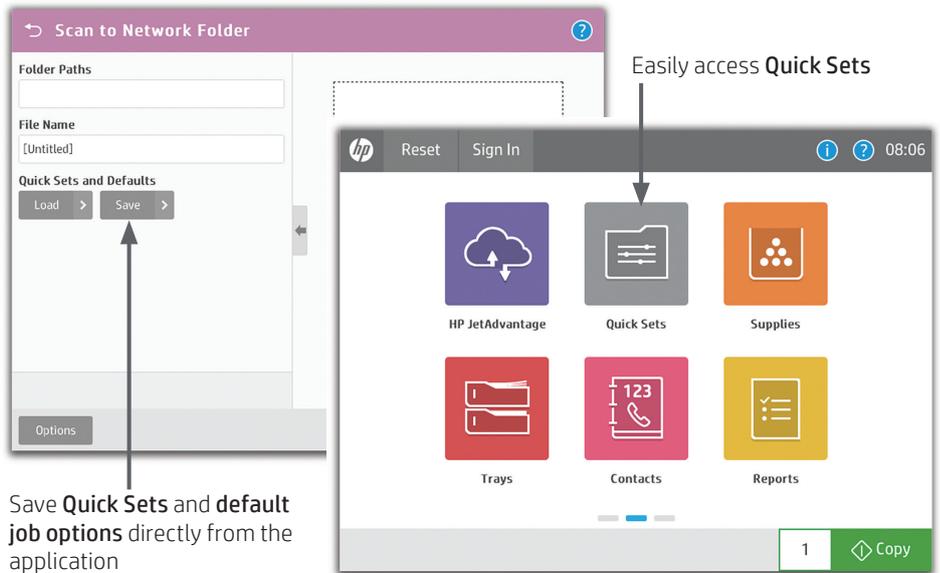
You can start a **preview** prior to committing to the copy job

## Use Quick Sets to launch automated workflows

The digital sending capability on the MFP 77940/50/60 series models allows users to route documents to a variety of destinations like email recipients, network folders, fax, FTP, a USB device, or Microsoft SharePoint.

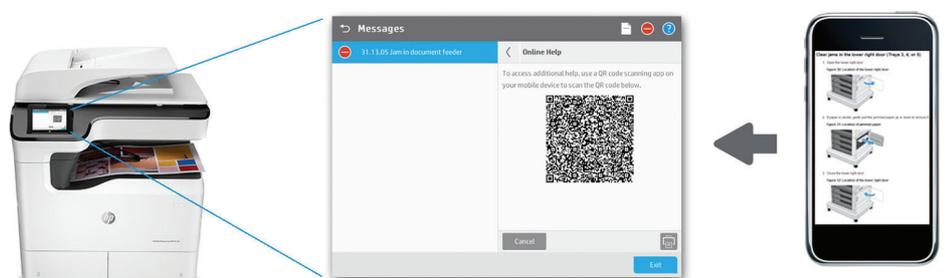
Quick Sets automate all of the steps of a complicated workflow and provide easy access to the configurations you use most, such as page size, resolution, and file format. You can also specify security settings, such as encrypted PDFs to be delivered through encrypted and signed emails.

Help users find what they need by moving individual Quick Sets to any screen or folder using the home screen customisation feature. With Quick Sets, IT can promote or block access to certain device features. Calls to the helpdesk can be reduced when users have everything they need and are restricted from accessing settings they shouldn't tamper with.



## Troubleshoot with ease

The HP PageWide Managed Color MFP 77940/50/60 series models can help save your IT department valuable time when it comes to troubleshooting problems. The Remote Control Panel allows users to operate the user interface remotely, so IT can troubleshoot problems without running to the printer or MFP.<sup>54</sup> Users can also quickly troubleshoot technical issues with HP's innovative, cloud-based Online Help services that are relevant and up to date. Easily solve problems from your PC or mobile device. A Quick Response (QR) code on the touchscreen links to Online Help using smart phones and tablets.<sup>54</sup> You can also find these links in the HP Embedded Web Server event log.



- <sup>1</sup> Based on HP review of 2018 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](http://hp.com/go/PrintersThatProtect). For more information, visit: [hp.com/go/printersecurityclaims](http://hp.com/go/printersecurityclaims).
- <sup>2</sup> Energy claim based on TEC data reported on [energystar.gov](http://energystar.gov) as of February 2018. Data normalised to determine energy efficiency of in-class A3 colour laser printers and MFPs with published speeds of 20 to 80 ppm, excluding other HP PageWide products. Subject to device settings. Actual results may vary.
- <sup>3</sup> High-yield cartridges are not included in printer purchase; purchase separately. Learn more at [hp.com/go/learnaboutsupplies](http://hp.com/go/learnaboutsupplies).
- <sup>4</sup> Available only as part of an HP Managed Print Services (MPS) contract. Feature applies to pages with the equivalent of an approximately 12.7 mm x 12.7 mm square of colour coverage. For details, contact your HP MPS account manager.
- <sup>5</sup> Comparison based on printing in Professional mode.
- <sup>6</sup> Fewer service parts claim based on HP analysis of leading in-class A3 colour 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% colour ratio). Learn more at [hp.com/go/pagewideclaims](http://hp.com/go/pagewideclaims).
- <sup>7</sup> Programme availability varies. For more information, visit [hp.com/recycle](http://hp.com/recycle).
- <sup>8</sup> Comparison of HP PageWide A3 devices with the majority of in-class colour ink/laser MFPs (\$3,000-\$10,299 and €2,820-€10,199), and colour ink/laser single function printers (\$1,500-\$4,299 and €1,410-€4,099) as of April 2018 excluding other HP PageWide products; competitive set based on market share data as reported by IDC as of Q4 2017, MSRP data provided by gap intelligence and/or Buyers Lab. HP PageWide speeds based on General Office mode and exclude first page. Learn more at [hp.com/go/printerspeeds](http://hp.com/go/printerspeeds).
- <sup>9</sup> The HP PageWide Managed Color MFP P77960dn/dns models print up to 60/80 ppm (Professional mode/General Office mode), A4, simplex. The HP PageWide Managed Color MFP P77950dn/dns models print up to 50/70 ppm (Professional mode/GO mode), A4, simplex. The HP PageWide Managed Color P75250dn printer, MFP P77440dn, and MFP P77940dn/dns models print up to 40/60 ppm (Professional mode/GO mode), letter and A4, simplex. ISO speeds measured using ISO/IEC 24734. Excludes first page or first set of ISO test pages. For details see [hp.com/go/printerclaims](http://hp.com/go/printerclaims).
- <sup>10</sup> Fax capability is optional on all MFP models.
- <sup>11</sup> The HP PageWide Managed Color MFP P77940/50/60 series models have a 20.3 cm touchscreen. The HP PageWide Managed Color P75250dn printer and MFP P77440dn have a 10.9 cm (4.3-inch) touchscreen.
- <sup>12</sup> Scan speed measured from ADF at default 300 dpi (black-and-white, greyscale, and colour). Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software.
- <sup>13</sup> Requires an Internet connection to the printer. Services may require registration. App availability varies by country, language, and agreements. For details, see [hpconnected.com](http://hpconnected.com).
- <sup>14</sup> Standard and optional paper-handling accessories vary by model. See "Series at a glance" tables, pages 6, 8, and 11, for details.
- <sup>15</sup> Purchase of optional paper tray required to reach maximum input capacity.
- <sup>16</sup> Some features require additional purchase. A FutureSmart service pack update may be required to activate security features. Learn more at [hp.com/go/printsecurity](http://hp.com/go/printsecurity).
- <sup>17</sup> HP Proximity Card Reader (CZ208a) is available for separate purchase for select HP devices with Hardware Integration Pocket (HIP) and touchscreen display. If you use an optional proximity card reader at the device to authenticate and retrieve your print job, an additional solution such as HP Access Control is required.
- <sup>18</sup> Solutions deployed through the Hardware Integration Pocket (HIP) may require additional purchase. The HIP is supported on all models except the P77440dn.
- <sup>19</sup> Use of the standard HP Trusted Platform Module accessory may require a firmware upgrade.
- <sup>20</sup> HP Web Jetadmin is available for download at no additional charge at [hp.com/go/wja](http://hp.com/go/wja).
- <sup>21</sup> HP JetAdvantage Security Manager must be purchased separately. For details, see [hp.com/go/securitymanager](http://hp.com/go/securitymanager).
- <sup>22</sup> HP JetAdvantage Secure Print works with any network-connected printer or MFP. On-device authentication is available for many HP LaserJet, PageWide, and OfficeJet Pro devices and selected non-HP devices. Some devices may require a firmware upgrade. Internet connection required for cloud storage and retrieval of print jobs. Print-job release from a mobile device requires a network connection and QR code. For more information and a list of supported printers and MFPs, see [hp.com/go/JetAdvantageSecurePrint](http://hp.com/go/JetAdvantageSecurePrint).
- <sup>23</sup> Colour access control capabilities vary from device to device.
- <sup>24</sup> The HP Universal Print Driver is available for download at no additional charge at [hp.com/go/upd](http://hp.com/go/upd).
- <sup>25</sup> The 100-sheet ADF can scan documents up to 297 x 432 mm, as well as up to 297 x 1000 mm when "long scan size" is selected.
- <sup>26</sup> The HP PageWide Managed Color MFP P77440dn and MFP P77940 models have a recommended monthly scan volume (RMSV) of 2,000 to 50,000 pages. The MFP P77950/60 models have a recommended monthly scan volume (RMSV) of 2,000 to 75,000 pages. HP recommends that the number of scanned 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.
- <sup>27</sup> An administrator must enable the easy-access USB port before use.
- <sup>28</sup> Feature works with Microsoft Word and PowerPoint 2003 and later. Only Latin language fonts are supported.
- <sup>29</sup> A 350-sheet inner finisher is available on the HP PageWide Managed Color MFP P77940dns/50dns/60dns models only. Those models have a maximum output capacity of 850 sheets. Models without an inner or external finisher have a maximum output capacity of 500 sheets.
- <sup>30</sup> The HP PageWide Managed Color P75250dn, MFP P77440dn, and MFP P77940/50/60 series models can add wireless networking with the purchase of the optional HP Jetdirect 2900nw Print Server. Wireless performance is dependent on physical environment and distance from access point, and may be limited during active VPN connections. Wireless operations are compatible with 2.4 GHz routers only.
- <sup>31</sup> Bluetooth® Low Energy is optional on all models. Bluetooth is a trademark owned by its proprietor and used by HP Inc. under license.
- <sup>32</sup> Measured using ISO/IEC 17629. Exact speed for first page out varies depending on the system configuration, software application, driver, and document complexity. Learn more at [hp.com/go/printerclaims](http://hp.com/go/printerclaims).
- <sup>33</sup> Measured after 15 minutes in sleep. Exact speed varies depending on the system configuration, software application, driver, document complexity, and time in sleep.
- <sup>34</sup> Upgradeable to 2560 MB with optional DIMM.
- <sup>35</sup> Recommended Monthly Page Volume: 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.
- <sup>36</sup> Duty cycle is defined as the maximum number of pages per month of imaged output. 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.
- <sup>37</sup> Printer requires ePrint account registration. App or software may be required. Wireless operations are compatible with 2.4 GHz operations only. Learn more at [hp.com/go/mobileprinting](http://hp.com/go/mobileprinting).

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- <sup>38</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>39</sup> Touch-to-print capability is optional for all models with the purchase of the optional HP Jetdirect 3000w NFC/Wireless Direct Accessory. Mobile device must support Near Field Communication (NFC)-enabled printing. For more information, see [hp.com/go/businessmobileprinting](http://hp.com/go/businessmobileprinting).
- <sup>40</sup> Full solution software available only for Windows 7 and newer, UPD software available only for Windows 7 and newer, HP Software for Mac and Windows is no longer included on the CD, but can be downloaded from [123.hp.com](http://123.hp.com), Legacy Windows Operating Systems (XP, Vista, and equivalent servers) get print and scan drivers only with a reduced feature set, Windows RT OS for Tablets (32- and 64-bit) uses a simplified HP print driver built into the RT OS.
- <sup>41</sup> Maximum dimensions of the device are measured with all paper trays folded out and standard accessories installed.
- <sup>42</sup> 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 prior to using the printer).
- <sup>43</sup> Printing colour simplex A4 at 51 ppm (P72550dn, P77950 series models), printing colour simplex A4 at 41 ppm (P77440dn, P77940 series models) and printing colour simplex at 60 ppm (P77960 series models). Copying colour simplex A4 (all models). Scanning colour simplex A4 at 70 ipm (all models). Acoustic values are subject to change. For current information, see [hp.com/support](http://hp.com/support).
- <sup>44</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>45</sup> HP Auto-On/Auto-Off Technology capabilities are subject to printer and settings.
- <sup>46</sup> EPEAT® registered where applicable. EPEAT registration varies by country. See [epeat.net](http://epeat.net) for registration status by country.
- <sup>47</sup> An administrator must enable the Scan to SharePoint feature before use.
- <sup>48</sup> Scan software not included in box. HP Scan and TWAIN driver available for download: [hp.com/support](http://hp.com/support).
- <sup>49</sup> First Copy Out and Copy Speed measured using ISO/IEC 29183, 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.
- <sup>50</sup> Based on standard ITU-T test image #1 at standard resolution and MMR encoding, the HP fax device can transmit at 3 sec/page for V.34 and 6 sec/page for V.17.
- <sup>51</sup> Internal DDR3 DRAM contained on the controller and Scanner board.
- <sup>52</sup> Cartridge yields established using ISO/IEC test standards. Actual yields and costs vary considerably depending on images printed, number of colour pages printed, and other factors.
- <sup>53</sup> Availability dependent on firmware or software updates or upgrades.
- <sup>54</sup> Online Help must be enabled on the printer or MFP. Mobile device must have an Internet connection to access online services.
- <sup>55</sup> If you use an optional proximity card reader at the device to authenticate and retrieve your print job, an additional solution such as HP Access Control is required.

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