

# HP LaserJet 8100, 8100 N, 8100 DN and Paper Handling Devices Service Manual

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# Service Manual

**HP LaserJet 8100 (C4214A)  
HP LaserJet 8100 N (C4215A)  
HP LaserJet 8100 DN (C4216A)  
Paper Handling Devices**

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#### **WARNING**

Electrical Shock Hazard

To avoid electrical shock, use  
only supplied power cords and  
connect only to properly  
grounded wall outlets.

# Conventions

This manual uses the following conventions:

The names of major printer parts and assemblies are Capitalized.

**Color** is used to emphasize items which are important to the material under discussion.

**Bold** is used for emphasis, particularly in situations where *italic* type would be confusing.

*Italic type* is used to indicate related documents or emphasis.

## Note

Notes contain important information set off from the text.

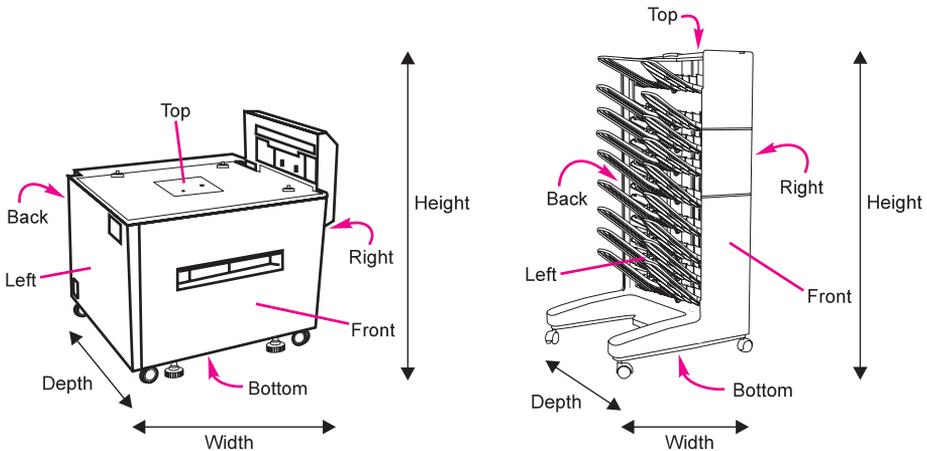
## CAUTION

Caution messages alert you to the possibility of damage to equipment or loss of data.

## WARNING!

Warning messages alert you to the possibility of personal injury.

The illustration below shows the orientation of the paper-handling accessories as they are referred to in this publication.



# Chapter Descriptions

## **1 Product Information**

Contains printer features and product overview, tray capacities and sizes, media specifications, service approach, how to get technical assistance, and required safety and compliance statements.

## **2 Site Requirements**

Contains space and environmental requirements.

## **3 Operating Overview**

Contains details about control panel menus, restoring factory defaults, and resetting and testing the printer.

## **4 Maintenance and Adjustments**

Contains cleaning and preventive maintenance information, and adjustment procedures for all paper trays.

## **5 Functional Overview**

Contains block diagrams and basic theory of operation for the printer systems, paper paths, and paper handling devices. Contains basic cabling information.

## **6 Removal and Replacement**

Contains step-by-step procedures for replacing field replaceable units (FRUs) in the printer and paper-handling devices.

## **7 Troubleshooting**

Contains a preliminary troubleshooting table, a table with descriptions and recommended actions for all control panel messages, image defect samples, paper handling problems, and troubleshooting checks and tools.

## **8 Parts and Diagrams**

Contains exploded view drawings and part number listings for all replaceable parts in the printer and paper-handling devices.

Contains two replaceable parts tables: one sorted alphabetically by part name, and one sorted numerically by part number. Both tables are cross referenced to the diagrams in the chapter.

## **Subject Index**

Contains an alphabetical, cross referenced listing of information found in the main body of the manual.



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# 1

# Product Information

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**Table 1-1. Common features of the HP LaserJet 8100, HP LaserJet 8100 N, and HP LaserJet 8100 DN**

Feature	Description
Print Speed	32 ppm letter or A4 17 ppm ledger (11 x 17) 18 ppm A3 20 ppm legal 20.5 ppm B4
Duplex Speed	12 ppm letter or A4 8.4 ppm ledger (11 x 17) or A3 9.0 ppm legal or B4
Text and Graphics Resolution	600 dpi with FastRes FastRes 1200 provides 1200 dpi quality at full speed plus Resolution Enhancement technology (REt)
Standard Printer Languages:	Enhanced PCL 6 PCL 5e for compatibility PostScript™ Level 2 emulation
Duty Cycle (Monthly Usage)	Up to 150,000 images
Internal Typefaces	45 PCL, 35 PostScript
Cartridge Slots	None
Power Control	PowerSave Mode
Control Panel	6 Keys, 3 LEDs, LCD Display (2-line, 16 characters per line)
EconoMode (draft quality)	Yes

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