

Q5965-67901

Instruction Manual

FORMATTER PCA ASSY BOARD FOR HP 2600N/2600DN

Model: Q5965-67901

1. Introduction

This manual provides essential information for the installation, operation, and maintenance of the Formatter PCA Assy Board, designed as a replacement part for HP 2600N and HP 2600DN series printers. The formatter board is a critical component responsible for processing print jobs and managing printer functions. This product is available in compatible new or original refurbished conditions, shipped randomly.



Figure 1: The Formatter PCA Assy Board, typically shipped in protective packaging. This image shows the general appearance of the product as it might be received.

2. Setup and Installation

Installation of a formatter board requires technical proficiency and should ideally be performed by a qualified technician. Improper installation can damage the printer or the board itself. Always ensure the printer is powered off and unplugged before beginning any installation or replacement procedures.

- **Safety First:** Disconnect the printer from the power source and any connected cables (USB, Ethernet) before opening the printer casing.
- **Static Discharge:** Use an anti-static wrist strap or frequently touch a grounded metal object to prevent electrostatic discharge (ESD), which can damage sensitive electronic components.
- **Accessing the Board:** Refer to your specific HP 2600N or 2600DN printer service manual for instructions on how to safely access and remove the existing formatter board.
- **Replacement:** Carefully disconnect all cables and screws securing the old formatter board. Note their positions for reassembly. Install the new formatter board, ensuring all connections are secure and correctly seated.
- **Reassembly:** Close the printer casing and reconnect all external cables.
- **Compatibility Check:** Verify that the part number Q5965-67901 matches your printer's requirements. While this board is compatible with HP 2600N and 2600DN, always cross-reference with your printer's service documentation.



Figure 2: A detailed view of the Formatter PCA Assy Board, showing its various components and connectors. This image can assist in identifying the correct board and its connection points during installation.

3. Operating Principles

The formatter board is the "brain" of your HP printer. It receives print data from your computer, processes

it, and translates it into commands that the printer's mechanical and imaging components can understand. It also manages network connectivity (for 2600DN models), USB communication, and controls the printer's user interface. Once installed, the board operates automatically as part of the printer's system. No direct user interaction with the board itself is required for its operation.

4. Maintenance

The formatter board itself requires minimal maintenance once installed. However, proper care of the printer can extend the life of all its components, including the formatter board.

- **Dust Control:** Keep the printer in a clean, dust-free environment. Dust accumulation can lead to overheating and component failure. Periodically clean the printer's exterior with a soft, dry cloth.
- **Ventilation:** Ensure the printer's ventilation openings are not blocked to allow for proper airflow and heat dissipation.
- **Power Surges:** Use a surge protector to protect the printer and its internal components, including the formatter board, from electrical spikes.
- **Handling:** When handling the board during installation or removal, always hold it by its edges and avoid touching the electronic components or connectors directly.

5. Troubleshooting

If you experience issues after replacing the formatter board, consider the following common troubleshooting steps:

- **Printer Not Powering On:**
 - Check all power connections.
 - Ensure the formatter board is correctly seated and all cables are securely connected.
 - Verify the power supply unit is functioning correctly.
- **Error Messages on Printer Display:**
 - Note the exact error code or message. Refer to your HP printer's user manual or HP support website for specific error code meanings.
 - Often, re-seating the formatter board or other internal components can resolve communication errors.
- **No Communication with Computer:**
 - Check USB or Ethernet cable connections.
 - Ensure printer drivers are correctly installed on your computer.
 - Verify network settings if using an Ethernet connection.
- **Print Quality Issues:**
 - While less common for formatter boards, severe print quality issues could indicate a board problem. First, check toner cartridges, fuser, and other imaging components.

If issues persist after basic troubleshooting, professional diagnosis and repair may be necessary.

6. Specifications

Feature	Detail
Product Type	Formatter PCA Assy Board
Model Number	Q5965-67901
Compatibility	HP 2600N, HP 2600DN Printers
Condition	Compatible New or Original Refurbished (Randomly sent)
Manufacturer	Generic
ASIN	B0CGFB2RGB
Memory Slots Available	2
System Bus Standard Supported	SATA 3