

## LCDOLED P161G

# LCDOLED Replacement Display for Dell Inspiron 14 7425 2-in-1 P161G P161G003 Instruction Manual

Model: P161G

## 1. INTRODUCTION

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This manual provides essential information for the installation and proper handling of the LCDOLED Replacement Display Assembly for the Dell Inspiron 14 7425 2-in-1 laptop. This assembly includes the LCD screen, touch digitizer, bezel, and touch control board. It is designed for specific Dell Inspiron 14 7425 2-in-1 models, including P161G and P161G003, featuring a 14.0-inch WUXGA (1920x1200) IPS display with EDP 30-pin connector and touch functionality.

**Important: Professional installation is highly recommended. Incorrect installation can lead to damage to the product or your device.**

## 2. SAFETY INFORMATION

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- Always disconnect the laptop's power adapter and battery before beginning any installation or repair work.
- Use appropriate tools for disassembly and reassembly.
- Handle the display assembly by its edges to avoid touching the screen surface or internal components.
- Avoid applying excessive force during installation, as this can damage the display or connectors.
- Wear anti-static gloves or use an anti-static wrist strap to prevent electrostatic discharge (ESD) damage to sensitive electronic components.
- Keep small parts, such as screws, organized to prevent loss.

## 3. PACKAGE CONTENTS

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The package includes the following components:

- 1x LCD Screen + Touch Digitizer Assembly
- 1x Display Bezel
- 1x Touch Control Board

*Note: This package does NOT include an extra LCD cable, back cover, hinges, webcam, instruction manual (beyond this document), or installation tools. Please retain your original parts for these components.*

## 4. SETUP AND INSTALLATION

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This section outlines the general steps for replacing the display assembly. Specific disassembly and reassembly procedures may vary slightly depending on your laptop's exact configuration. Refer to Dell's official service manual for your specific model (Inspiron 14 7425 2-in-1, P161G/P161G003) for detailed instructions.

### 4.1 Pre-Installation Checklist

1. **Verify compatibility:** Ensure the replacement display matches your laptop's model (Dell Inspiron 14 7425 2-in-1, P161G/P161G003) and specifications (14.0 inches, 1920x1200 resolution, EDP 30-pin, touch function).
2. **Gather tools:** You will typically need small Phillips head screwdrivers, a plastic spudger or opening tool, and possibly tweezers.
3. **Prepare workspace:** Work on a clean, well-lit, and anti-static surface.
4. **Backup data:** Although not directly related to display replacement, it is good practice to back up important data before any hardware repair.

### 4.2 Installation Steps (General Guide)

1. **Power Off and Disconnect:** Completely power off your Dell Inspiron 14 7425 2-in-1 laptop. Disconnect the AC adapter and then disconnect the internal battery. This is a critical safety step.
2. **Remove Old Display Assembly:**
  - Carefully remove any screws securing the display bezel or back cover.
  - Using a plastic spudger, gently pry open the bezel around the screen. Work slowly to avoid damaging the plastic clips.
  - Once the bezel is removed, unscrew the old display panel from the hinges or mounting brackets.
  - Carefully disconnect the EDP 30-pin display cable and any other cables (e.g., webcam, touch digitizer cable) from the old display assembly.
3. **Install New Display Assembly:**
  - Connect the EDP 30-pin display cable and any other necessary cables (e.g., touch digitizer cable) to the new LCD/OLED display assembly. Ensure connections are secure and properly seated.
  - Position the new display assembly into the laptop lid, aligning it with the screw holes.
  - Secure the new display assembly with the screws previously removed.
  - Carefully reattach the display bezel, ensuring all clips snap into place.
4. **Reconnect Battery and Power On:** Reconnect the internal battery, then the AC adapter. Power on the laptop to test the new display.
5. **Test Functionality:** Verify that the display powers on, shows a clear image, and that the touch

functionality is responsive.

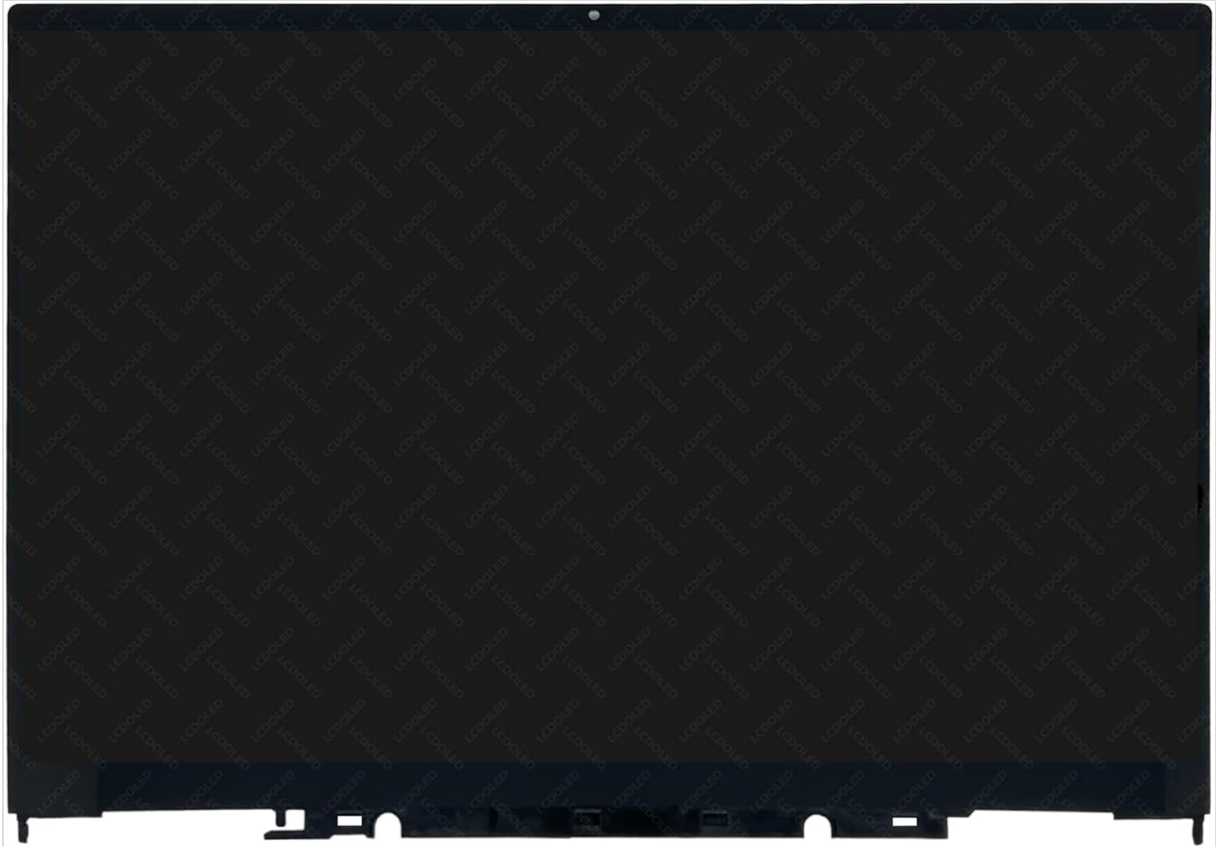


Figure 1: Front view of the LCD/LED replacement display assembly, showing the screen and integrated bezel.



Figure 2: Back view of the LCD/LED replacement display assembly, highlighting the mounting points and the EDP connector area.



Figure 3: Detailed view of the EDP 30-pin connector and the integrated touch control board, crucial for display and touch functionality.

## 5. OPERATING THE DISPLAY

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Once installed, the LCDOLED replacement display functions identically to the original Dell Inspiron 14 7425 2-in-1 screen. It supports:

- **Visual Display:** Provides a 1920x1200 WUXGA resolution image.
- **Touch Functionality:** Responds to touch input for interactive use. Ensure your operating system and drivers are correctly configured for touch screen operation.

No special operating procedures are required beyond standard laptop usage.

## 6. MAINTENANCE

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To ensure the longevity and optimal performance of your replacement display:

- **Cleaning:** Use a soft, lint-free cloth slightly dampened with water or a screen-specific cleaning solution. Avoid harsh chemicals, abrasive materials, or excessive moisture.
- **Protection:** Avoid placing heavy objects on the laptop lid when closed. Consider a screen protector if desired, though it is not typically required.
- **Temperature:** Operate and store the laptop within recommended environmental temperature ranges to prevent display damage.

## 7. TROUBLESHOOTING

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If you encounter issues after installation, consider the following troubleshooting steps:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No display/Black screen	Loose EDP cable connection; Incorrect display model; Faulty component.	<ul style="list-style-type: none"> <li>Ensure the EDP 30-pin cable is securely connected to both the display and the motherboard.</li> <li>Double-check that the display model is compatible with your laptop.</li> <li>If possible, test with an external monitor to confirm the laptop's graphics output is functional.</li> </ul>
Touch screen not working	Loose touch digitizer cable; Driver issue; Incorrect display model.	<ul style="list-style-type: none"> <li>Verify the touch digitizer cable is properly connected.</li> <li>Check Device Manager in Windows for any touch screen driver issues or unknown devices. Update or reinstall drivers if necessary.</li> <li>Ensure the display installed is indeed a touch-enabled model.</li> </ul>
Flickering or distorted image	Loose EDP cable; Graphics driver issue; Damaged cable or display.	<ul style="list-style-type: none"> <li>Reseat the EDP cable.</li> <li>Update your laptop's graphics drivers.</li> <li>If the issue persists, the cable or display might be faulty.</li> </ul>

If these steps do not resolve the issue, please contact customer support for further assistance.

## 8. SPECIFICATIONS

Feature	Detail
Compatible Model	Dell Inspiron 14 7425 2-in-1 P161G, P161G003
Screen Size	14.0 inches
Resolution	WUXGA 1920x1200
Panel Type	IPS LCD LED Display
Connector Type	EDP 30pins
Touch Functionality	Yes (Digitizer Assembly with Touch Control Board included)
Backlight	LED

## 9. WARRANTY AND SUPPORT

For any questions, concerns, or technical assistance regarding your LCDOLED replacement display, please contact our customer support. We aim to provide satisfied solutions for our customers.

- **Response Time:** All messages are typically answered within 24 hours.
- **Before Contacting:** Please have your product model (P161G/P161G003) and any relevant details about your issue ready.

*Please refer to your purchase documentation for specific warranty terms and conditions.*

