**PXG614JI**

# Laptop LCD EDP Cable Instruction Manual

Model: PXG614JI

For ASUS ROG Strix G16 G614J, G614JI, G614JV, G614JU Series Laptops

## 1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your Generic Laptop LCD EDP Cable, model PXG614JI. This cable is designed for specific ASUS ROG Strix G16 series laptops, including models G614J, G614JI, G614JV, and G614JU, supporting FHD 40PIN displays. Please read these instructions carefully before proceeding with installation.

## 2. SETUP AND INSTALLATION

Installing an EDP (Embedded DisplayPort) cable requires careful handling and technical proficiency. It is recommended that installation be performed by a qualified technician to avoid damage to your laptop or the cable.

### 2.1. Compatibility Check

- Verify that your laptop model is one of the compatible ASUS ROG Strix G16 series (G614J, G614JI, G614JV, G614JU).
- Confirm that your laptop's display requires a 40PIN FHD EDP cable.
- Compare the physical appearance and connector types of the new cable with your original cable or laptop's requirements.

### 2.2. Safety Precautions

- **Always disconnect the laptop from its power source and remove the battery before beginning any internal work.**
- Use appropriate tools to prevent damage to screws or plastic components.
- Handle the cable by its connectors, not the wires, to prevent damage.
- Wear anti-static gloves or use an anti-static wrist strap to prevent electrostatic discharge (ESD) damage to sensitive components.

### 2.3. Installation Steps (General)

1. Carefully disassemble the laptop to access the display assembly and motherboard connection points for the EDP cable. Refer to your laptop's specific service manual for detailed disassembly instructions.
2. Gently disconnect the old EDP cable from both the LCD panel and the motherboard. Note the orientation of the connectors.
3. Connect the new EDP cable (PXG614JI) to the LCD panel, ensuring it is fully seated and the locking

mechanism (if present) is secured.

4. Route the new cable along the same path as the original cable, ensuring it is not pinched or stressed.

5. Connect the other end of the EDP cable to the motherboard, ensuring proper orientation and a secure connection.

6. Before fully reassembling, perform a preliminary test by connecting the battery and power adapter (if applicable) and powering on the laptop to check the display functionality.

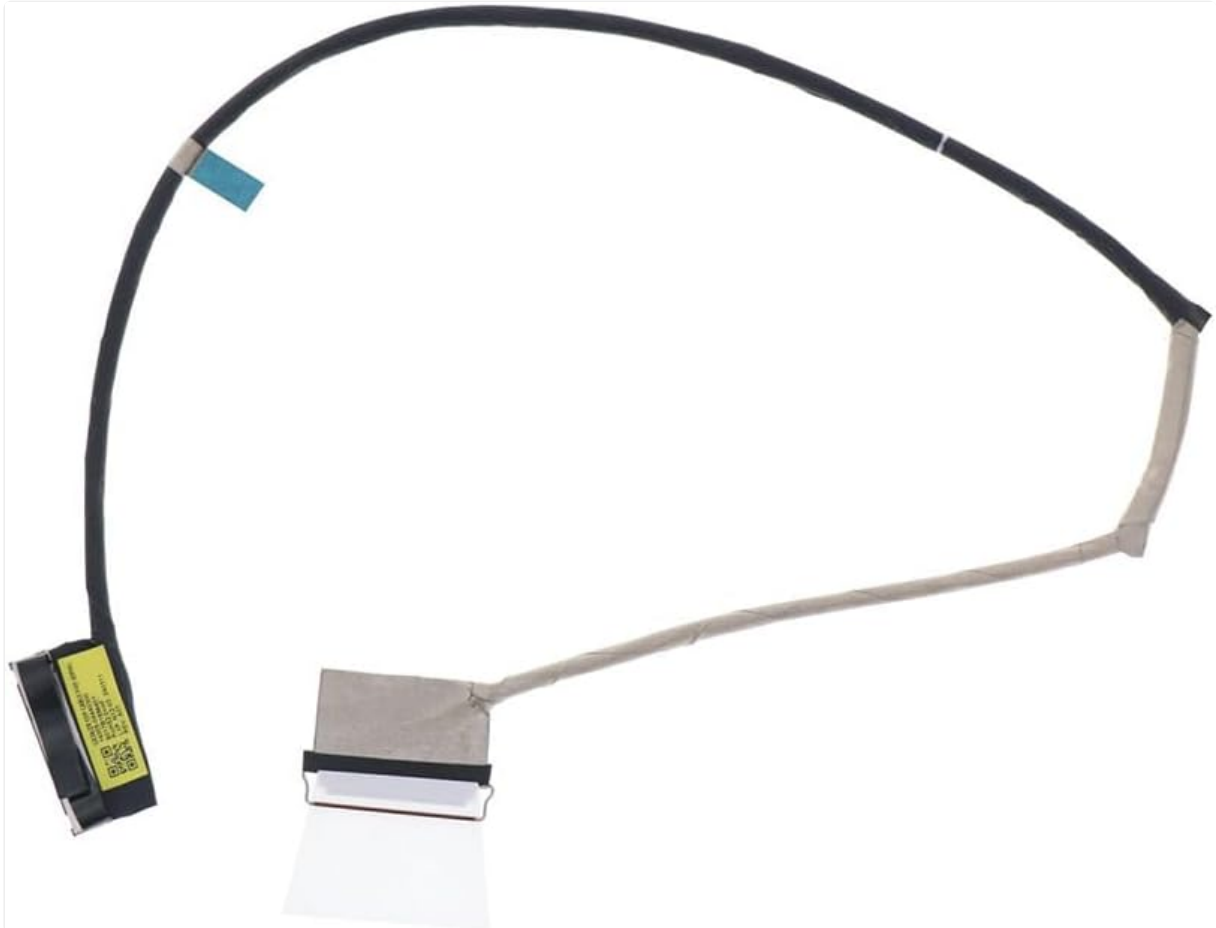7. If the display functions correctly, proceed with full reassembly of the laptop.



*Figure 1: Laptop LCD EDP Cable (PXG614JI). This image displays the Laptop LCD EDP Cable. It features a flexible black cable connecting two distinct connectors. One connector is typically for the display panel, and the other for the laptop's motherboard. The cable is designed for transmitting video signals to the laptop's LCD screen.*

## 3. OPERATING PRINCIPLES

The Laptop LCD EDP Cable (PXG614JI) serves as the primary conduit for transmitting high-definition video signals and power from the laptop's motherboard to the LCD display panel. Once correctly installed, the cable operates passively, ensuring a stable and clear visual output to the screen. Its function is integral to the display's operation, and no user interaction is required beyond proper installation.

## 4. MAINTENANCE

The EDP cable itself requires minimal maintenance once installed. However, proper care during and after installation can prolong its lifespan and ensure consistent performance.

- **Avoid Bending or Twisting:** Do not excessively bend, twist, or crimp the cable, especially near the connectors, as this can damage internal wires.

- **Keep Dry:** Ensure the internal components of your laptop, including the cable, remain dry and free from

moisture.

- **Cleanliness:** If the laptop is opened for other maintenance, ensure no dust or debris accumulates around the cable or its connectors. Use compressed air if necessary.
- **Secure Connections:** Periodically, if accessing internal components, verify that the cable connectors remain firmly seated.

## 5. TROUBLESHOOTING

If you encounter display issues after installing the EDP cable, consider the following troubleshooting steps:

- **No Display / Black Screen:**
  - Ensure both ends of the EDP cable are securely connected to the LCD panel and the motherboard.
  - Verify that the cable is not pinched or damaged during reassembly.
  - Confirm that the LCD panel itself is functional (if possible, test with another known good cable or display).

- **Flickering Display / Intermittent Signal:**
  - Check for loose connections at either end of the cable.
  - Inspect the cable for any visible signs of damage or wear.
  - Ensure the cable routing does not cause stress or interference with other components.

- **Incorrect Colors / Distorted Image:**
  - Re-seat the cable connectors to ensure all pins are making proper contact.
  - Verify that the correct cable type (FHD 40PIN) was installed for your specific display.

- **No Power to Display (Backlight Issue):**
  - Ensure the cable is fully compatible and correctly installed, as some EDP cables also carry backlight power.
  - This could also indicate an issue with the LCD panel's inverter or the panel itself.

If these steps do not resolve the issue, further diagnosis by a professional technician may be required.

## 6. SPECIFICATIONS

| Feature | Detail |
| --- | --- |
| Product Name | Laptop LCD EDP Cable |
| Model Number | PXG614JI |
| Compatibility | ASUS ROG Strix G16 G614J, G614JI, G614JV, G614JU |
| Display Type Supported | FHD (Full High Definition) |
| Pin Configuration | 40PIN |
| Cable Length | Approximately 40 cm |
| Product Dimensions | 11.81 x 7.87 x 3.94 inches (packaging) |
| Item Weight | 3.52 ounces |

| Manufacturer | Generic |
|---|---|

## 7. Warranty Information

This Laptop LCD EDP Cable comes with a **90-day warranty** from the date of purchase. This warranty covers manufacturing defects and ensures the product is free from material and workmanship flaws under normal use. The warranty does not cover damage resulting from improper installation, misuse, accidents, unauthorized repairs, or modifications.

## 8. Support

For further assistance, technical support, or warranty claims, please contact your retailer or the manufacturer directly. When contacting support, please have your product model number (PXG614JI) and proof of purchase readily available.