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› BestParts Type-C USB 3.1 Gen2 Port Flex IO v2 Card Instruction Manual for HP 400, 600, 800, 805 G6, G7, G8, G9 Series

BestParts L85068-001, L76508-001

BestParts Type-C USB 3.1 Gen2 Port Flex IO v2 Card Instruction Manual

Models: L85068-001, L76508-001

1. INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your BestParts Type-C USB 3.1 Gen2 Port Flex IO v2 Card. This component is designed as a replacement part for specific HP desktop mini PCs, enhancing or restoring USB-C functionality. Please read these instructions carefully before proceeding with installation.

2. PRODUCT OVERVIEW

The BestParts Type-C USB 3.1 Gen2 Port Flex IO v2 Card is a specialized input/output expansion board. It provides a USB Type-C port with USB 3.1 Gen2 capabilities, allowing for high-speed data transfer and power delivery (depending on the host system's capabilities). This card is a direct replacement for original HP parts L85068-001 and L76508-001.

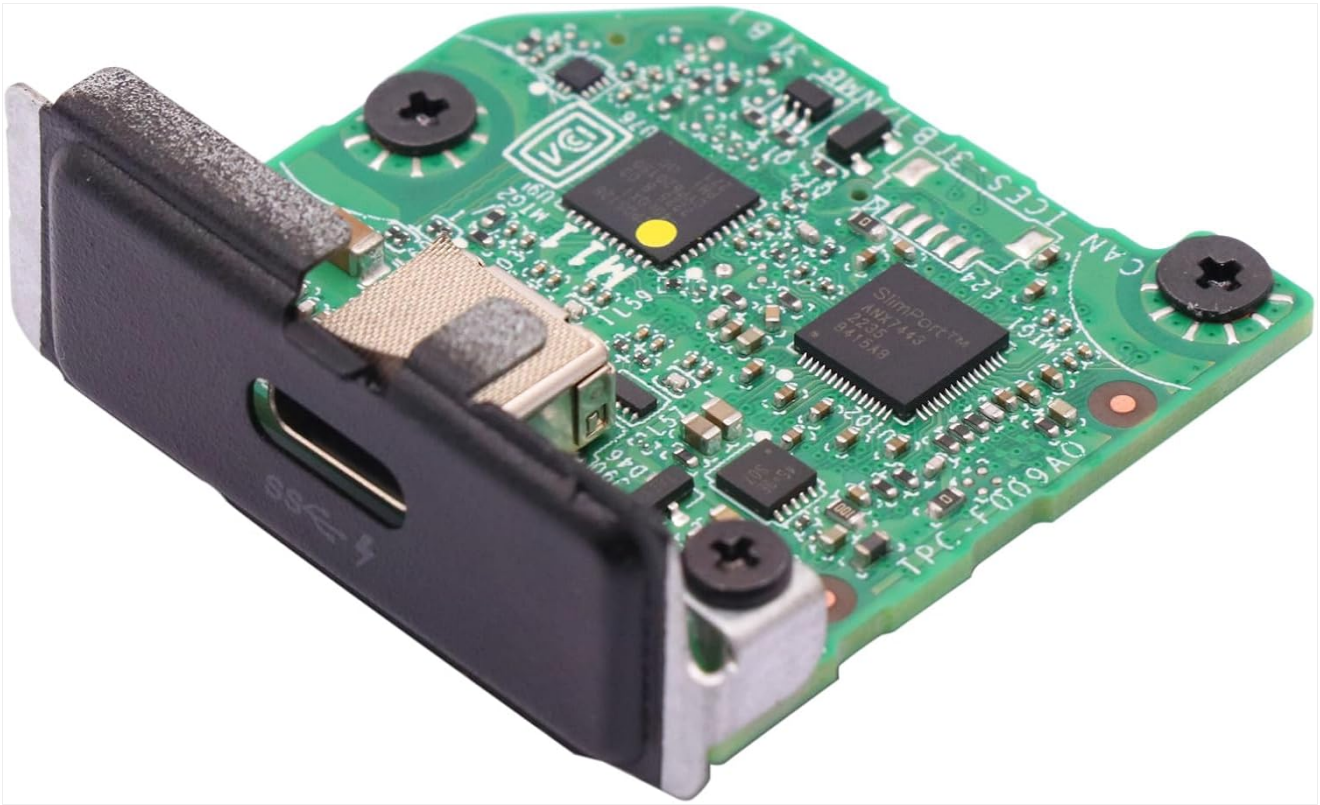


Image 2.1: Angled view of the BestParts Type-C USB 3.1 Gen2 Port Flex IO v2 Card, showing the USB-C port and circuit board.



Image 2.2: Close-up view of the USB Type-C port on the Flex IO card, indicating its interface.

3. COMPATIBILITY

This Type-C USB 3.1 Gen2 Port Flex IO v2 Card is compatible with the following HP PC models:

- HP 400 G6, G7, G8, G9 DM SFF

- HP 600 G6, G7, G8, G9 DM SFF
- HP 800 G6, G7, G8, G9 DM SFF
- HP 805 G6, G7, G8, G9 DM SFF

Please verify your PC's model number before installation to ensure compatibility.

4. WHAT'S IN THE BOX

Upon opening your package, you should find the following item:

- 1x BestParts Type-C USB 3.1 Gen2 Port Flex IO v2 Card (Models L85068-001 / L76508-001)

5. SETUP AND INSTALLATION

Important Safety Information: Before beginning any installation, ensure your computer is powered off and disconnected from the main power supply. Always discharge static electricity by touching a grounded metal object or wearing an anti-static wrist strap. If you are unsure about any step, consult a qualified technician or your HP PC's official service manual.

1. **Preparation:** Power down your HP PC completely and unplug all cables (power, display, peripherals).
2. **Access the Interior:** Open your PC's chassis according to the manufacturer's instructions. Refer to your specific HP model's service manual for detailed steps on how to safely open the case and locate the I/O card slot.
3. **Locate Existing I/O Card (if applicable):** Identify the current I/O card or the designated slot for the Flex IO card. It typically connects to the motherboard via a small connector.
4. **Remove Old Card (if applicable):** Carefully disconnect any cables attached to the old card. Unscrew any retaining screws and gently pull the old card straight out of its slot. Store it safely if you intend to keep it.
5. **Install New Card:** Align the BestParts Type-C USB 3.1 Gen2 Port Flex IO v2 Card with the vacant slot. Gently but firmly press the card into place until it is fully seated. Ensure the mounting bracket aligns with the chassis opening.
6. **Secure the Card:** Fasten any retaining screws to secure the new card in place.
7. **Close Chassis:** Reassemble your PC's chassis, ensuring all panels are securely closed.
8. **Power On:** Reconnect all cables and power on your PC. The operating system should automatically detect the new hardware and install necessary drivers.



Image 5.1: Bottom view of the Flex IO card, highlighting the connector that interfaces with the motherboard.

6. OPERATING INSTRUCTIONS

Once installed, the BestParts Type-C USB 3.1 Gen2 Port Flex IO v2 Card operates as a standard USB-C port. Connect your compatible USB-C devices (e.g., external drives, docking stations, monitors with DisplayPort Alt Mode support) to the port. The system will manage data transfer and power delivery automatically.

- **Data Transfer:** Enjoy high-speed data transfer rates up to 10 Gbps (USB 3.1 Gen2).
- **Power Delivery:** The port may support power delivery to connected devices, depending on your HP PC's motherboard capabilities.
- **Display Output:** If your HP PC and connected device support DisplayPort Alternate Mode over USB-C, this port can be used for video output.

7. MAINTENANCE

The BestParts Type-C USB 3.1 Gen2 Port Flex IO v2 Card requires minimal maintenance. To ensure optimal performance and longevity:

- Keep the port free from dust and debris. Use compressed air to gently clean the port if necessary.
- Avoid exposing the card to extreme temperatures or humidity.
- Handle the card with care during installation to prevent physical damage.

8. TROUBLESHOOTING

If you encounter issues after installing the BestParts Type-C USB 3.1 Gen2 Port Flex IO v2 Card, consider the following troubleshooting steps:

- **Device Not Recognized:**

- Ensure the card is fully seated in its slot on the motherboard.
- Verify that the connected USB-C device is functioning correctly with other ports or systems.
- Check your PC's Device Manager (Windows) or System Information (macOS/Linux) to see if the USB controller is listed without errors.
- Restart your computer.

- **Slow Data Transfer Speeds:**

- Ensure both the connected device and the cable are rated for USB 3.1 Gen2 speeds. Using older USB 2.0 or 3.0 devices/cables will result in slower speeds.
- Confirm that your PC's drivers are up to date.

- **No Display Output (if applicable):**

- Verify that your monitor and USB-C cable support DisplayPort Alternate Mode.
- Ensure your HP PC's integrated graphics or dedicated GPU supports video output over USB-C.

- **Power Issues:**

- Some high-power devices may require external power or a powered USB hub if the port's power delivery is insufficient.

If problems persist, consult your HP PC's official documentation or contact BestParts customer support.

9. SPECIFICATIONS

Brand	BestParts
Model Numbers	L85068-001, L76508-001
Hardware Interface	USB 3.2 Gen 2 (backward compatible with USB 3.0, USB 2.0)
Connector Type	USB Type-C
Compatible Devices	HP 400 G6/G7/G8/G9 DM SFF, HP 600 G6/G7/G8/G9 DM SFF, HP 800 G6/G7/G8/G9 DM SFF, HP 805 G6/G7/G8/G9 DM SFF
Item Weight	1.34 ounces (approx. 38 grams)
Package Dimensions	4.3 x 2.1 x 0.78 inches (approx. 10.9 x 5.3 x 2 cm)

10. WARRANTY AND SUPPORT

As a replacement part, the warranty for this product is typically provided by the seller. Please refer to your purchase documentation or contact the retailer directly for specific warranty terms and conditions.

For technical support or assistance with installation, please contact BestParts customer service through the platform where you purchased the product. Provide your order details and a clear description of the issue for prompt assistance.

