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ViewSonic IFP86G1

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Model: IFP86G1

1. INTRODUCTION

This manual provides essential information for the proper setup, operation, maintenance, and troubleshooting of your ViewSonic IFP86G1 86-inch 4K UHD ViewBoard Interactive Display. Please read this manual thoroughly before using the product to ensure safe and efficient operation.

The ViewSonic IFP86G1 is an 86-inch interactive display designed for educational and business environments, featuring 4K Ultra HD resolution, multi-point touch capabilities, and versatile connectivity options.

2. SAFETY INFORMATION

Observe the following safety precautions to prevent damage to the product and ensure user safety:

- Do not expose the display to rain or moisture.
- Do not block ventilation openings.
- Use only the power cord supplied with the unit.
- Ensure proper grounding for electrical connections.
- Refer all servicing to qualified service personnel.
- Avoid placing heavy objects on the display.
- Clean the screen with a soft, lint-free cloth.

3. WHAT'S IN THE BOX

Verify that all items are present in the packaging:

- 3m power cable
- HDMI 2.0 cable (3m)
- 3m USB 2.0 touch cable

- Touch pen (Passive pen) x 2 (VB-PEN-002)
- Quick Start Guide + Compliance statement
- RS232 adapter
- Screws for wall mount (4)
- Camera Plate
- Remote control with AAA battery (Optional)

4. SETUP

4.1 Physical Installation

The ViewBoard can be mounted on a wall or placed on a compatible mobile cart (sold separately). Ensure the mounting solution can support the display's weight of approximately 137.46 pounds (62.35 kg).



Figure 4.1: Front view of the ViewSonic IFP86G1 interactive display, showing the large black screen and slim bezels.



Figure 4.2: Rear view of the ViewSonic IFP86G1 interactive display, showing the mounting points and access panels.

4.2 Connecting Power

Connect the provided power cable to the AC inlet on the display and then to a grounded electrical outlet. Ensure the power source meets the display's voltage requirements.

4.3 Connecting External Devices

The IFP86G1 offers various ports for connecting external devices such as computers, laptops, and other peripherals.



Figure 4.3: Side view of the ViewSonic IFP86G1 interactive display, highlighting the accessible connectivity ports.

- **HDMI:** Connect up to three HDMI sources for high-definition video and audio.
- **VGA:** Connect older devices using the VGA port.
- **USB-C:** Use the USB Type-C port for video, audio, data, and power delivery with compatible devices.
- **USB:** Multiple USB 2.0 and USB 3.0 ports are available for peripherals like keyboards, mice, and storage devices.
- **Ethernet (RJ45):** Connect to a wired network for internet access and network features.
- **OPS Slot:** An integrated OPS (Open Pluggable Specification) slot allows for the installation of an optional slot-in PC, providing a flexible and upgradeable computing solution directly within the display.



Figure 4.4: Illustration of various external devices, including OPS PCs, connecting to the interactive display.

5. OPERATING THE DISPLAY

5.1 Power On/Off

Press the power button located on the display's frame or use the remote control to turn the display on or off. The display will show the ViewSonic logo upon startup.

5.2 Basic Navigation and Touch Functionality

The IFP86G1 features multi-point touch recognition, allowing multiple users to interact with the screen simultaneously using their fingers or the provided passive pens. The display is OS-free, meaning it relies on connected external devices (like an OPS PC or laptop) for its operating system and software applications.

- **Touch:** Use your finger or the passive pen to select, drag, and interact with on-screen elements.
- **Multi-Touch Gestures:** Standard multi-touch gestures (e.g., pinch-to-zoom, two-finger scroll) are supported, depending on the connected operating system.
- **Write-Away Technology:** This feature allows for instant writing and annotation without extensive setup, enabling quick collaboration.



Figure 5.1: Users interacting with the ViewBoard display, demonstrating multi-point touch and collaboration features.

5.3 Enhanced Security

The OS-free design of the IFP86G1 contributes to enhanced security by reducing vulnerabilities associated with pre-installed software. Security protocols are primarily managed by the connected computing device.



Figure 5.2: An icon representing enhanced security, indicating the display's design for secure environments.

6. MAINTENANCE

6.1 Cleaning the Display

- Always power off and unplug the display before cleaning.
- Use a soft, lint-free cloth slightly dampened with water or a non-abrasive, ammonia-free glass cleaner.
- Do not spray cleaner directly onto the screen. Apply it to the cloth first.
- Avoid using harsh chemicals, abrasive pads, or solvents.

6.2 General Care

- Keep the display in a well-ventilated area.
- Protect the screen from sharp objects to prevent scratches.
- Avoid extreme temperatures and humidity.

7. TROUBLESHOOTING

If you encounter issues with your ViewSonic IFP86G1, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No Power	Power cable disconnected; Power outlet faulty.	Ensure power cable is securely connected. Test the outlet with another device.
No Display/Signal	Incorrect input source selected; Video cable loose or faulty; External device not powered on.	Select the correct input source (HDMI, VGA, USB-C). Check video cable connections. Ensure external device is powered on.
Touch Function Not Working	USB touch cable disconnected; Driver issue on connected PC; Screen dirty.	Ensure the USB touch cable is connected between the display and the PC. Check PC drivers. Clean the screen.
Poor Image Quality	Incorrect resolution; Faulty cable.	Set the connected device's resolution to 3840x2160. Try a different video cable.

If the problem persists after attempting these solutions, please contact ViewSonic customer support.

8. SPECIFICATIONS

Feature	Specification
Brand	ViewSonic
Model Number	IFP86G1
Screen Size	86 Inches
Resolution	4K UHD (3840x2160p)
Refresh Rate	60 Hz
Aspect Ratio	16:9
Contrast Ratio	1,200:1
Brightness	400 cd/m ²
Response Time	8 Milliseconds
Viewing Angle	178 Degrees
Connectivity Technology	Ethernet, HDMI, USB Type C, VGA
Total HDMI Ports	3
Total USB Ports	9 (2x USB 2.0, 6x USB 3.0, 1x USB Type C)
Speakers	10W Dual Speakers
Item Dimensions (D x W x H)	3.4"D x 77"W x 45.7"H (8.6cm x 195.6cm x 116.1cm)
Item Weight	137.46 Pounds (62.35 kg)
Additional Features	All-in-one USB port, Anti Glare Screen, Built-In Speakers, Light Sensor, Touchscreen

9. WARRANTY AND SUPPORT

9.1 Warranty Information

The ViewSonic IFP86G1 comes with an industry-leading 3-year limited warranty covering parts, labor, and backlight. Onsite warranty service may also be available. Please refer to your warranty card or the ViewSonic website for full terms and conditions.

9.2 Customer Support

For technical assistance, product registration, or to find a service center, please visit the official ViewSonic support website or contact their customer service team. Contact information can typically be found in the Quick Start Guide or on the ViewSonic website.