Hosyond 10

Hosyond 7 Inch IPS LCD Touch Screen Display Panel User Manual

Model: 10

1. INTRODUCTION

This manual provides detailed instructions for the Hosyond 7 Inch IPS LCD Touch Screen Display Panel. This versatile display features a 1024x600 hardware resolution, capacitive touch, and broad compatibility with various single-board computers like Raspberry Pi, as well as Windows operating systems. Please read this manual thoroughly before use to ensure proper setup and operation.

Figure 1.1: Hosyond 7 Inch IPS LCD Touch Screen Display Panel.

2. PRODUCT FEATURES

- **Display Type:** 7-inch IPS LCD standard display.

- **Resolution:** 1024 × 600 hardware resolution, supporting up to 1920x1080 software configuration resolution.

- **Touch Functionality:** Capacitive touch screen, supporting a maximum of 5-point touch.

- **Backlight Control:** Independent backlight control for power saving.

- **Broad Compatibility:** Supports Raspberry Pi (Pi5/Pi4/Pi3/Pi2/ZERO W), BB Black, Banana Pi, and other mainstream mini PCs. Can also function as a general-purpose HDMI monitor for computers.

- **OS Support:** Compatible with Raspbian, Ubuntu, Kali-Linux, Kodi, Win10 IOT (for Raspberry Pi use), and Windows 7/8/10 (for PC monitor use).

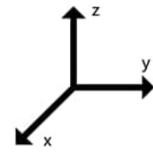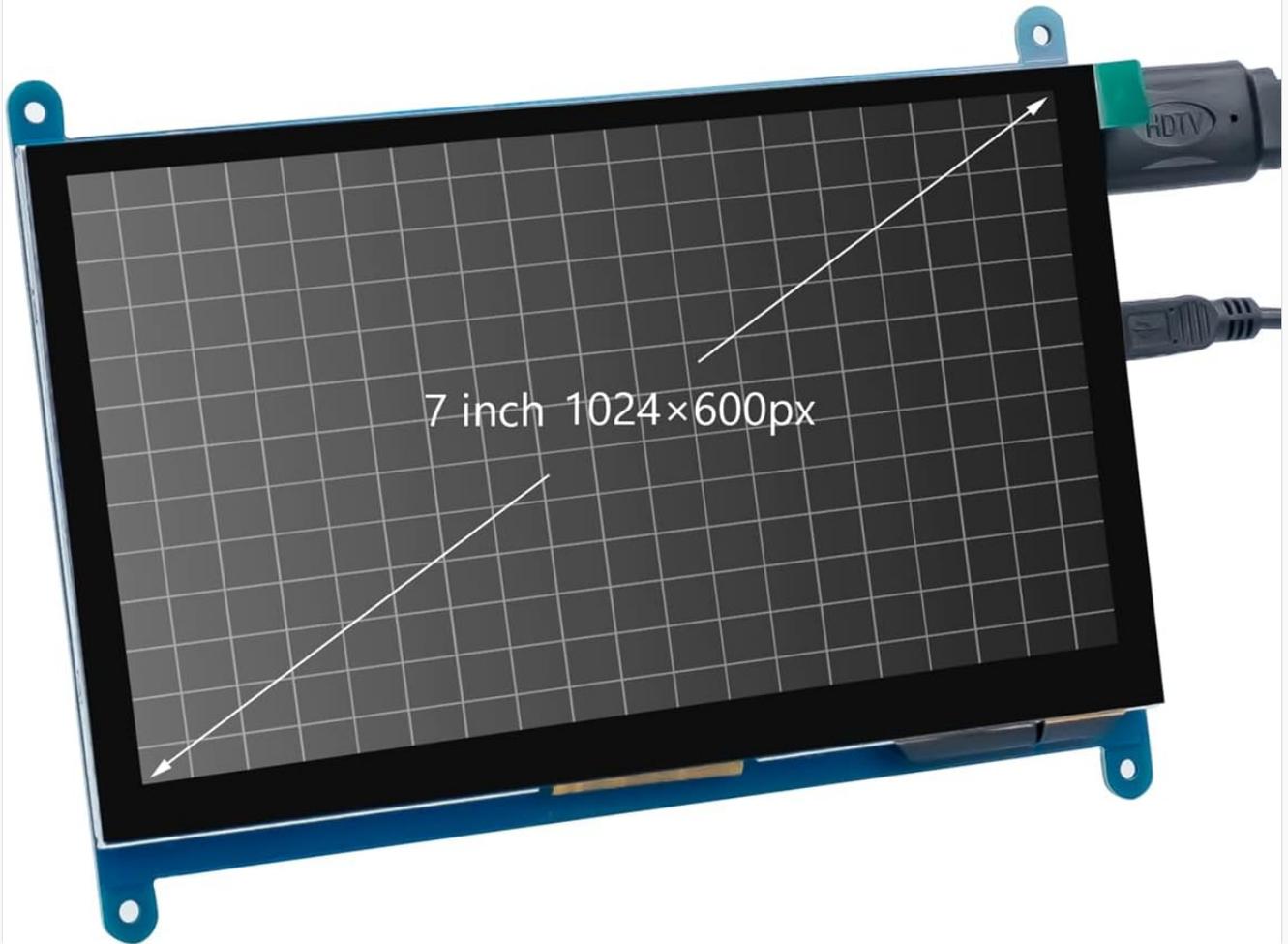- **Driver-Free:** Plug and play functionality for most supported systems.

Figure 2.1: Key features of the display, including 16:9 aspect ratio, plug & play capability, touch control, and physical dimensions (165x125x15mm).

FIVE POINT TOUCH AND FREE DRIVE

🔈 MacOS only supports display, not touch!

Figure 2.2: The display supports five-point touch input. Note: macOS only supports display, not touch functionality.

Figure 2.3: The display is compatible with various operating systems, including Ubuntu, Chrome OS, Windows, Raspberry Pi OS, and Android.

3. WHAT'S IN THE BOX

Please check the contents of your package to ensure all items are present:
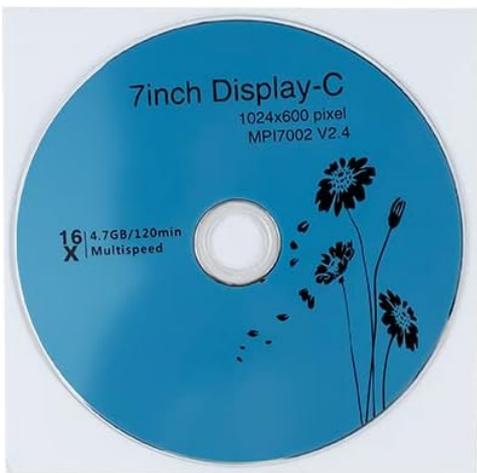
- 7 inch Display Screen x1
- HDMI Cable x1
- Micro HDMI to HDMI Adapter x1
- USB Cable x1
- CD x1 (for drivers/documentation)
- Copper Screws Pack x1

7 inch Display Screen x1

HDMI Cable x1

CD x1

Micro-HDMI to HDMI Adapter x1

Copper Screws Pack x1

USB Cable x1

Figure 3.1: All components included in the package.

4. SPECIFICATIONS

Specification	Value
Product Dimensions	6.5 x 5 x 0.6 inches
Item Weight	14.1 ounces
Manufacturer	Hosyond
Item Model Number	10
Standing Screen Display Size	7 Inches

Specification	Value
Aspect Ratio	16:9
Voltage	5 Volts
Resolution	1024 x 600 Pixels (Hardware)
Total USB Ports	1 (for touch/power)

5. Setup Guide

5.1 Connecting to Raspberry Pi / Mini PCs

1. Connect the HDMI cable from your Raspberry Pi's HDMI output to the HDMI input port on the display. If your Raspberry Pi uses a Micro HDMI port (e.g., Pi4/Pi5), use the provided Micro HDMI to HDMI adapter.

2. Connect the USB cable from a USB port on your Raspberry Pi to the 'Touch' USB port on the display. This provides power and enables touch functionality.

3. Power on your Raspberry Pi. The display should automatically detect the signal and show the desktop.

4. For optimal resolution (1024x600), ensure your Raspberry Pi's operating system is configured correctly. Most modern OS versions will auto-detect. If not, refer to the CD or online resources for specific configuration steps (e.g., editing `config.txt` for Raspbian).

Figure 5.1: The display is compatible with Raspberry Pi and other single-board computers. Connect via HDMI and USB for power and touch.

5.2 Connecting to a PC (Windows 7/8/10)

1. Connect the HDMI cable from your PC's HDMI output to the HDMI input port on the display.

2. Connect the USB cable from a USB port on your PC to the 'Touch' USB port on the display. This provides power and enables touch functionality.

3. Power on your PC. The display should be recognized as an external monitor.

4. For Windows 7/8/10, the touch functionality is typically driver-free and supports 5-point touch. For Windows XP and older versions, only single-point touch is supported.
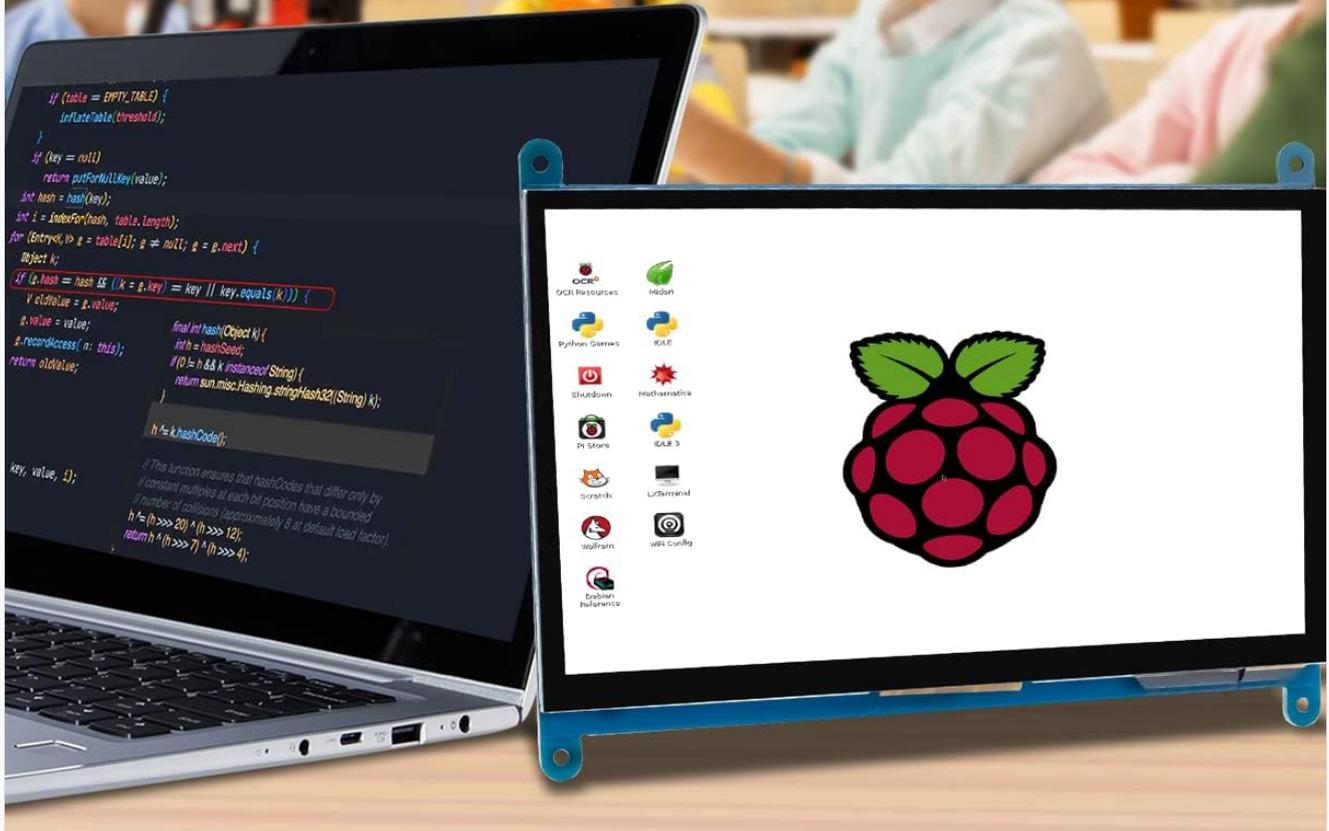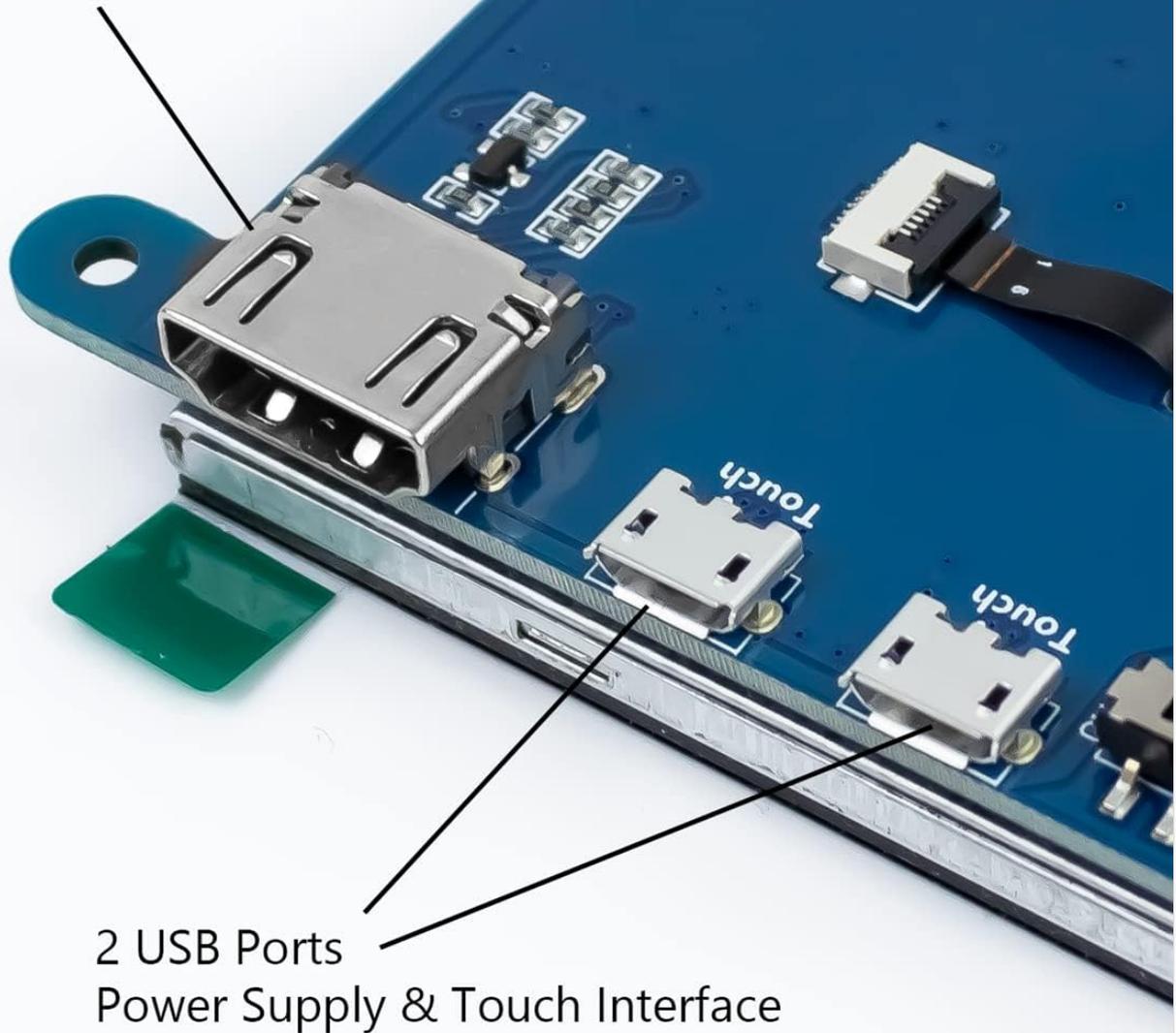
Figure 5.2: The display can be used with various devices, including desktop computers, laptops, and game consoles.

5.3 Port Identification

Figure 5.3: The display features HDMI ports for video input and USB ports for power supply and touch interface.

6. OPERATING INSTRUCTIONS

6.1 Basic Operation

Once connected and powered, the display will automatically turn on and attempt to detect an HDMI signal. If no signal is detected, the screen may show a 'No Signal' message or enter a power-saving mode.

6.2 Touch Screen Functionality

The capacitive touch screen supports up to 5-point multi-touch gestures. Ensure the USB cable is connected to enable touch input. For specific operating systems, touch calibration might be available in system settings if needed, though it is generally driver-free.

Figure 6.1: The display offers smooth, accurate, and responsive multi-point capacitive touch.

6.3 Backlight Control

The display supports independent backlight control. This feature allows you to turn off the backlight to save power when the display is not actively being viewed, without disconnecting the device.

6.4 Display Modes (PC Monitor Use)

When connected to a PC, you can configure the display as either a duplicate screen or an extended screen through your operating system's display settings.

Figure 6.2: The display supports both Duplicate Screen and Extend Screen modes when connected to a PC.

6.5 Viewing Angle

The IPS panel provides a 178° full viewing angle, ensuring consistent color and brightness from various perspectives.
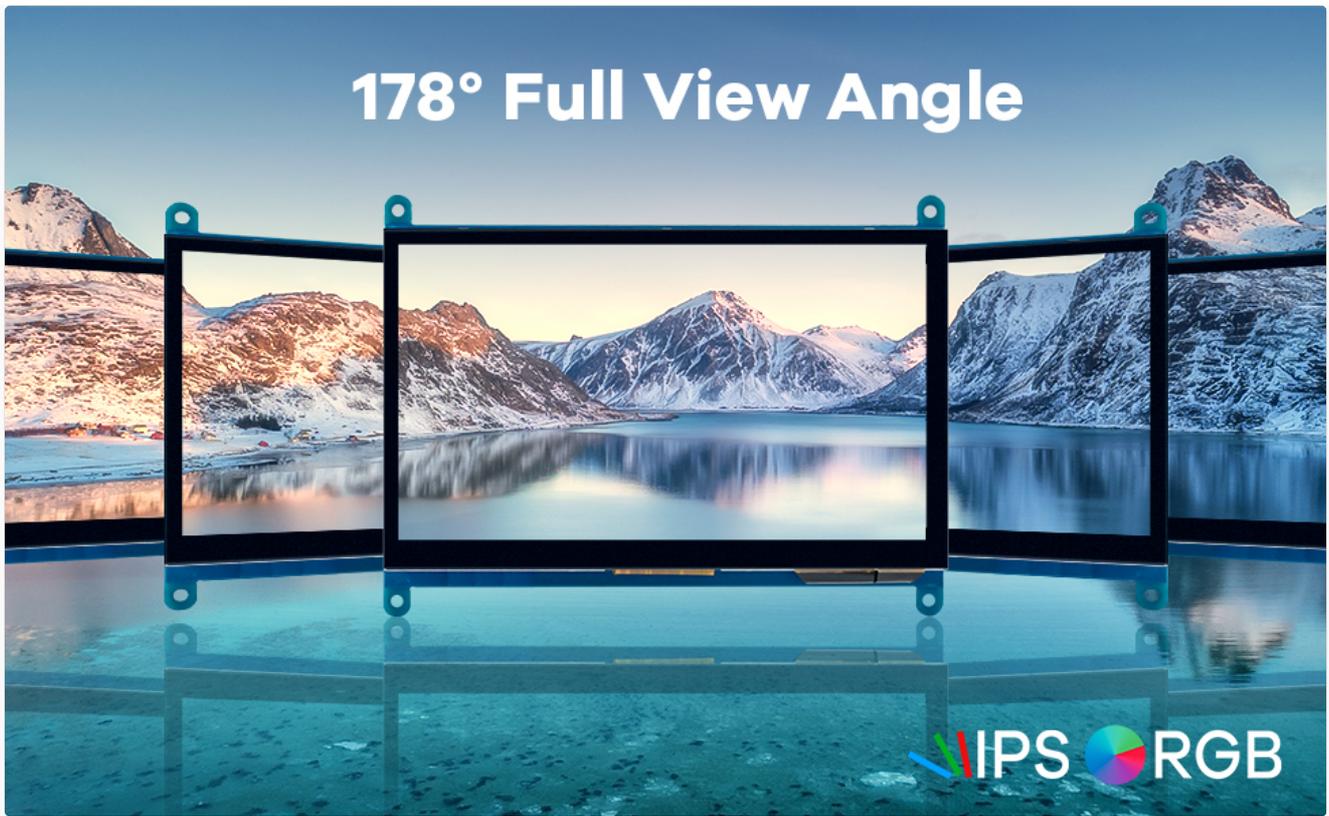
Figure 6.3: The IPS panel offers a wide 178° viewing angle for clear visuals from various positions.

7. MAINTENANCE

To ensure the longevity and optimal performance of your display, follow these maintenance guidelines:

- **Cleaning:** Use a soft, lint-free cloth slightly dampened with water or a screen cleaner solution. Do not use harsh chemicals, abrasive cleaners, or alcohol-based solutions, as these can damage the screen surface.
- **Handling:** Avoid applying excessive pressure to the screen. When moving the display, hold it by its edges or frame.
- **Storage:** Store the display in a cool, dry place away from direct sunlight and extreme temperatures. If storing for an extended period, use the original packaging or a protective cover.
- **Power:** Always disconnect the power before cleaning or performing any maintenance.

8. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
No display / Black screen	No power; Loose HDMI connection; Incorrect input source; OS display settings.	Ensure USB power cable is connected and receiving power. Check HDMI cable connection. Verify the host device (Raspberry Pi/PC) is powered on and outputting video. Adjust display settings on the host device.

Problem	Possible Cause	Solution
Touch screen not working	USB touch cable not connected; Incorrect USB port; OS not recognizing touch input.	Ensure the USB cable is connected from the host device to the 'Touch' USB port on the display. Try a different USB port on the host device. For Raspberry Pi, ensure the OS is configured for touch. For macOS, touch is not supported.
Incorrect resolution or distorted image	Host device outputting unsupported resolution; Cable issue.	Set the host device's display resolution to 1024x600. If using Raspberry Pi, check `config.txt` settings. Try a different HDMI cable.
Screen flickering	Insufficient power; Faulty cable; Interference.	Ensure adequate power supply (e.g., 5V/2A for Raspberry Pi). Try a different HDMI or USB cable. Avoid placing near strong electromagnetic sources.

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

9. WARRANTY AND SUPPORT

Hosyond products are designed for reliability and performance. For warranty information and technical support, please refer to the documentation included with your purchase or visit the official Hosyond website. Our support team is available to assist with any questions or issues you may encounter.
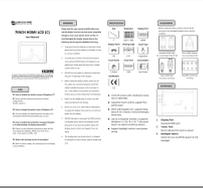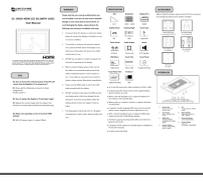
For the latest drivers, software, and troubleshooting guides, please check the product page on Amazon or the manufacturer's website.

Your browser does not support the video tag.

Video 9.1: An overview of the Hosyond 7-inch IPS LCD Touch Screen Display Panel, showcasing its features and applications.

Related Documents - 10

	Waveshare 7-inch HDMI LCD (C) User Manual: Setup and Usage Guide This user manual guides users through the setup and operation of the Waveshare 7-inch HDMI LCD (C) display, detailing its specifications, connection methods for Raspberry Pi and PCs, and essential usage tips for optimal performance.
	Waveshare 10.1-inch HDMI LCD (G) User Manual: Setup, Specs, and Connections Explore the Waveshare 10.1-inch HDMI LCD (G) with Case. This user manual covers essential specifications, safety warnings, connection guides for Raspberry Pi, Jetson Nano, and PCs, and answers common questions.

Waveshare 8DP-CAPLCD 8-inch HD Capacitive Touch Screen IPS Display

Detailed specifications and user guide for the Waveshare 8DP-CAPLCD, an 8-inch HD capacitive touch screen IPS display with 1280x800 resolution, compatible with Raspberry Pi and Windows devices. Features include optical bonding, multiple input/output ports, and software calibration instructions.

[Waveshare 10.1-inch HDMI LCD (B) with Case: User Guide & Specs](#)
Comprehensive guide for the Waveshare 10.1-inch HDMI LCD (B) with case. Covers setup, software, and troubleshooting for Raspberry Pi and Windows PCs. Features 1280x800 IPS touchscreen.

[Riverdi RVT101HVUNWCA0 10.1-inch IPS USB-C TFT Display Datasheet](#)
Technical datasheet for the Riverdi RVT101HVUNWCA0, a 10.1-inch High Brightness IPS LCD TFT display module featuring USB-C interface and projected capacitive touch panel. Includes specifications, electrical characteristics, inspection criteria, and reliability tests.

[iiyama ProLite TF2215MC-B2: 21.5-inch Open Frame Touch Monitor](#)
Detailed specifications and features of the iiyama ProLite TF2215MC-B2, a 21.5-inch open-frame monitor with IPS panel, 10-point projective capacitive touch, touch-through-glass capability, and IP65 front rating, ideal for kiosks and public-facing applications.