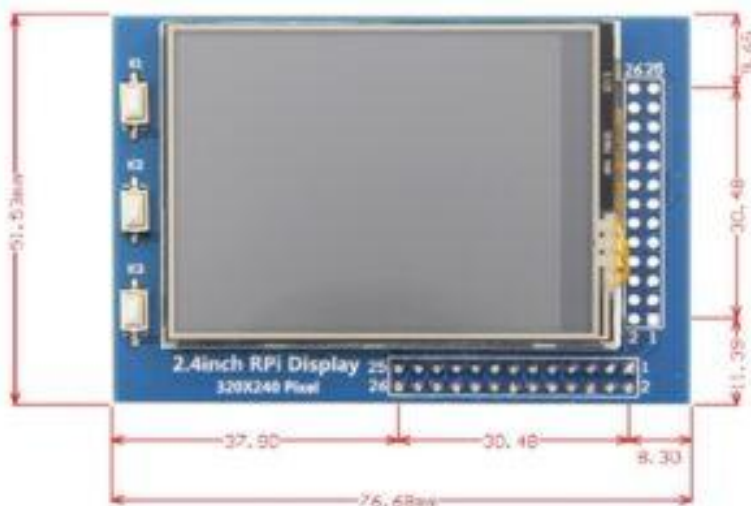


LCD Touch Module 2.4 inch Module With pin

The **LCD Touch Module 2.4 inch TFT LCD Display** is a compact yet powerful display solution designed for makers, students, engineers, and hobbyists who want to add a clear, interactive screen to their projects. With its **320×240 resolution**, **resistive touch functionality**, and **direct plug-and-play compatibility with Raspberry Pi boards**, this module is an excellent choice for DIY projects, IoT applications, and embedded systems.

Whether you are developing a **portable Raspberry Pi project**, creating a **touch-based user interface**, or simply need a **small but high-quality screen** to display data, this LCD module provides the perfect balance of size, performance, and ease of use.



Key Features

- **High-Resolution Display (320×240 pixels):**
The 2.4-inch TFT screen offers sharp, vibrant images with a resolution of 320×240 pixels. This ensures smooth graphics, easy-to-read text, and clear visuals for your applications.
- **Resistive Touch Control:**
The screen comes with a **resistive touch panel** powered by the **XPT2046 controller**,

allowing you to easily integrate interactive features such as menus, buttons, and control panels into your project.

- **Seamless Raspberry Pi Compatibility:**

This LCD module is designed to **directly plug into Raspberry Pi boards**, supporting models A, B, A+, B+, 2B, 3B, and 3B+. No extra wiring or adapters are needed, making it incredibly user-friendly.

- **Driver Support for Multiple Operating Systems:**

Pre-configured drivers are provided for **Raspbian, Ubuntu, and Kali Linux**, ensuring quick setup and reliable performance with your preferred operating system.

- **Perfect Fit for Raspberry Pi Dimensions:**

The display is sized to match the Raspberry Pi form factor, offering a neat, professional look when mounted directly on top of the board.

- **Durable, High-Quality Design:**

Built with **immersion gold surface plating**, the module ensures long-lasting durability and reliable connectivity.

[caption id="attachment_106781" align="aligncenter" width="456"]

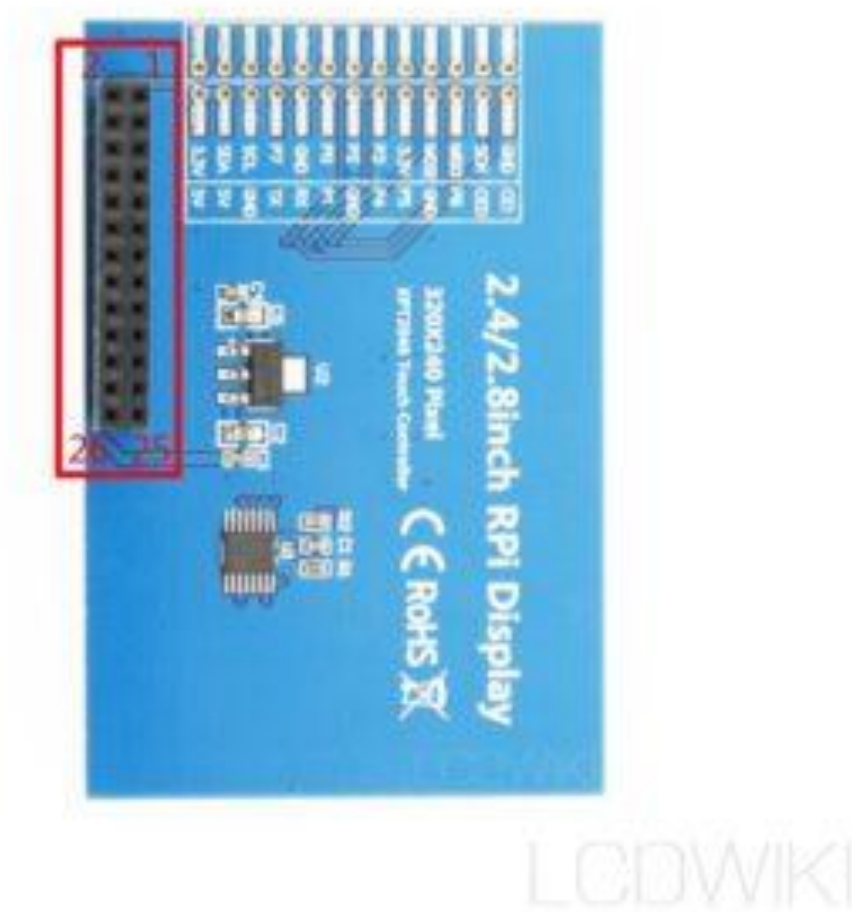


inch Tft LCD Display Module[/caption]

LCD Touch Module 2.4

Technical Specifications

- **SKU:** MPI2418
- **Display Type:** TFT LCD
- **Interface:** SPI (Serial Peripheral Interface)
- **Touch Screen Type:** Resistive
- **Touch Controller:** XPT2046
- **Color Depth:** 65,536 colors
- **Driver IC:** ILI9341
- **Backlight:** LED
- **Resolution:** 320×240 pixels
- **Brightness (Typical):** 260 cd/m²
- **Aspect Ratio:** 8:5
- **Active Area:** 36.72 × 48.96 mm
- **Overall Dimensions:** 51.53 × 76.68 mm
- **Power Consumption:** 0.08A at 5V
- **Package Weight:** ~40g



Applications

This 2.4-inch TFT LCD touch module is highly versatile and can be used in a wide range of applications, including:

- **DIY Raspberry Pi Projects:** Create interactive dashboards, controllers, or displays for your personal projects.
- **IoT Devices:** Perfect for showing system status, sensor data, or real-time controls in connected devices.
- **Portable Consoles & Media Players:** Build handheld devices with a compact, vibrant display.
- **Smart Home Interfaces:** Control lighting, temperature, or appliances through a touch-enabled UI.
- **Educational Kits & Prototyping:** A great tool for students and makers learning about embedded systems, touchscreen interfaces, and electronics.

- **Robotics & Automation:** Display real-time sensor data or use the screen as a robot control panel.

Why Choose This Module?

1. **Compact Size, Big Performance:** Despite its small footprint, this LCD provides vibrant visuals and interactive functionality.
2. **Plug-and-Play Design:** Saves time and effort with direct Raspberry Pi compatibility.
3. **Multi-OS Support:** Works seamlessly with Raspbian, Ubuntu, and Kali Linux, making it flexible for different projects.
4. **Durable Build Quality:** High-quality materials and immersion gold plating ensure reliability.
5. **Affordable Solution:** A cost-effective way to add a responsive screen to your embedded projects.

Conclusion

The **LCD Touch Module 2.4 inch TFT LCD Display** is more than just a small screen – it is a **complete interactive solution** for Raspberry Pi and other embedded platforms. With its **320×240 resolution, resistive touch control**, and **seamless compatibility** across multiple Pi versions, this module is ideal for students, hobbyists, and professionals alike.

Whether you are developing a **smart home controller**, building a **DIY handheld device**, or creating an **educational electronics project**, this display delivers the clarity, functionality, and reliability you need.

Enhance your Raspberry Pi projects today with the **2.4 inch TFT LCD Touch Display Module** – the perfect balance between compact design and powerful performance.