

Dpofirs W2 E

Dpofirs W2 E USB WiFi Module with External Antenna (RTL8188ETV) - Instruction Manual

Model: W2 E

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1. INTRODUCTION

This instruction manual provides comprehensive guidance for the Dpofirs W2 E USB WiFi Module. This module is designed to provide wireless network connectivity to various devices, including desktop computers, laptops, tablets, network cameras, set-top boxes, and GPS systems. It features a RTL8188ETV chip solution and supports IEEE 802.11b/g/n standards for reliable and efficient wireless communication.

Please read this manual carefully before installation and operation to ensure proper use and optimal performance of your WiFi module.

2. SPECIFICATIONS

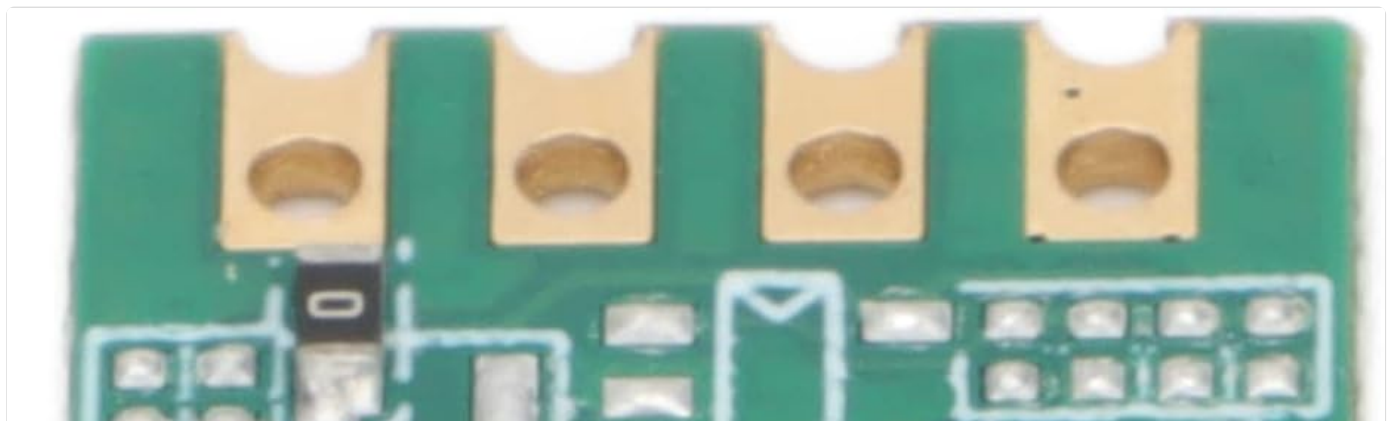
Feature	Detail
Item Type	WiFi Module
Material	Printed Circuit Board (PCB)
Model	W2 E
Chip Solution	RTL8188ETV
Standards & Protocols	IEEE 802.11n, IEEE 802.11g, IEEE 802.11b, CSMA/CA with ACK
Operating Frequency	2.4 ~ 2.4835 GHz

Feature	Detail
Operating Channels	1-13 channels
Modulation Method	11n: MCS; 11g: OFDM, CCK; 11b: CCK(11, 5.5 Mbps), QPSK (2 Mbps), BPSK (1 Mbps)
Transmission Rate	11n: 6.5 ~ 72.2 Mbps (20MHz bandwidth), 13 ~ 150 Mbps (40MHz bandwidth); 11g: 54/48/36/24/18/12/9/6 Mbps; 11b: 11/5.5/2/1 Mbps
Transmission Distance	Indoor up to 50 meters, Outdoor up to 150 meters (depending on external antenna and environment)
RF Antenna	External antenna (2.4 ~ 2.4835 GHz, characteristic impedance 50 ohm)
Operating Voltage	3.3 V
Operating Temperature	-20 °C to 50 °C
Storage Temperature	-40 °C to 70 °C
Operating Humidity	10% to 90% RH non-condensing
Storage Humidity	5% to 90% RH non-condensing
Supported OS	Android, Win 8, Win 7, Vista, Linux, Win CE, Win XP, and other operating systems
Data Transfer Rate	150 Megabits per second
Hardware Interface	USB

3. PACKAGE CONTENTS

The package should contain the following item:

- 1 x Dpofirs W2 E USB WiFi Module



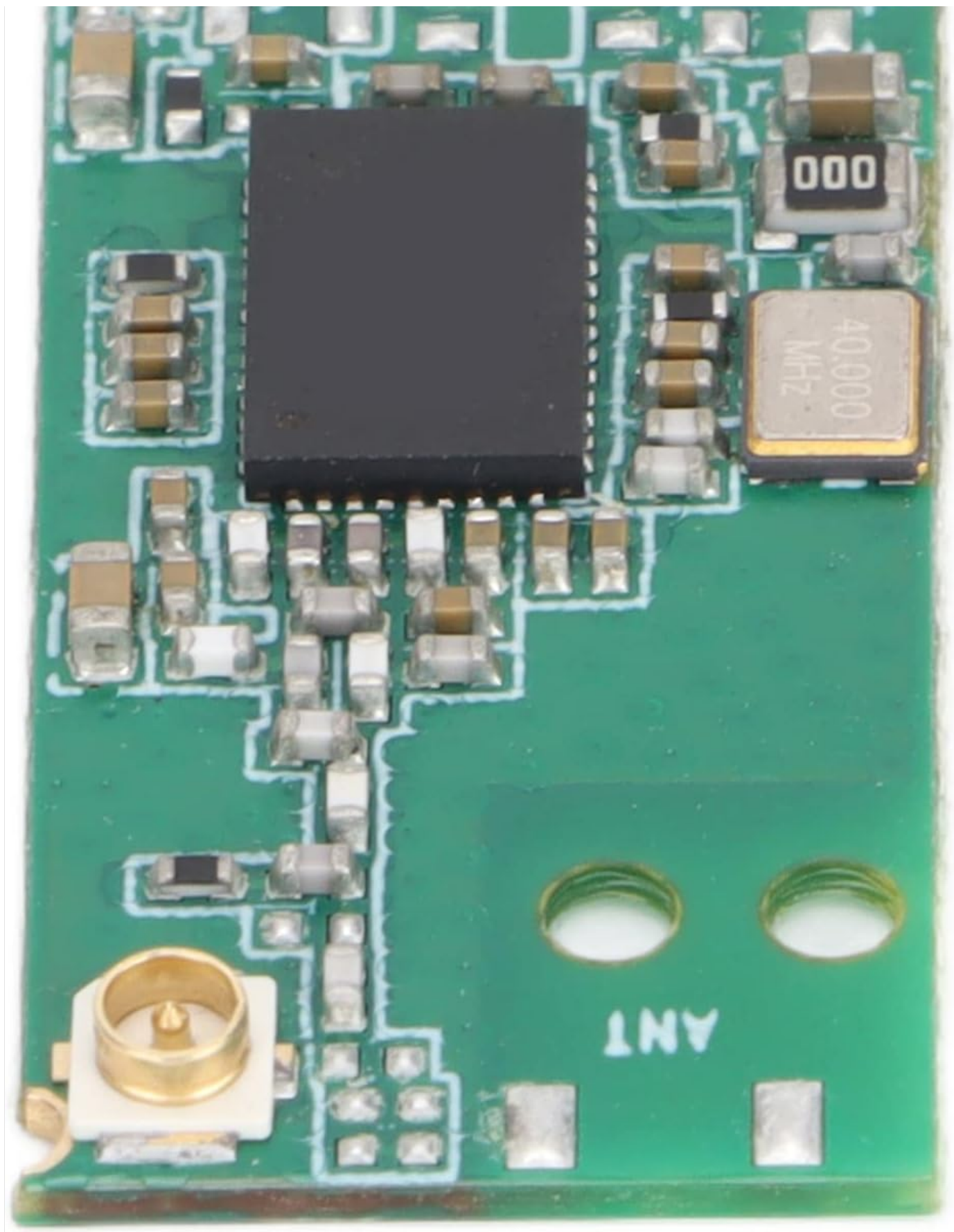


Image: Top view of the Dpofirs W2 E USB WiFi Module, showing the main chip and antenna connector.

4. SETUP INSTRUCTIONS

Follow these steps to set up your Dpofirs W2 E USB WiFi Module:

1. **Prepare the Module:** Ensure the WiFi module is handled carefully. If an external antenna is provided or required,

connect it to the module's RF antenna connector.

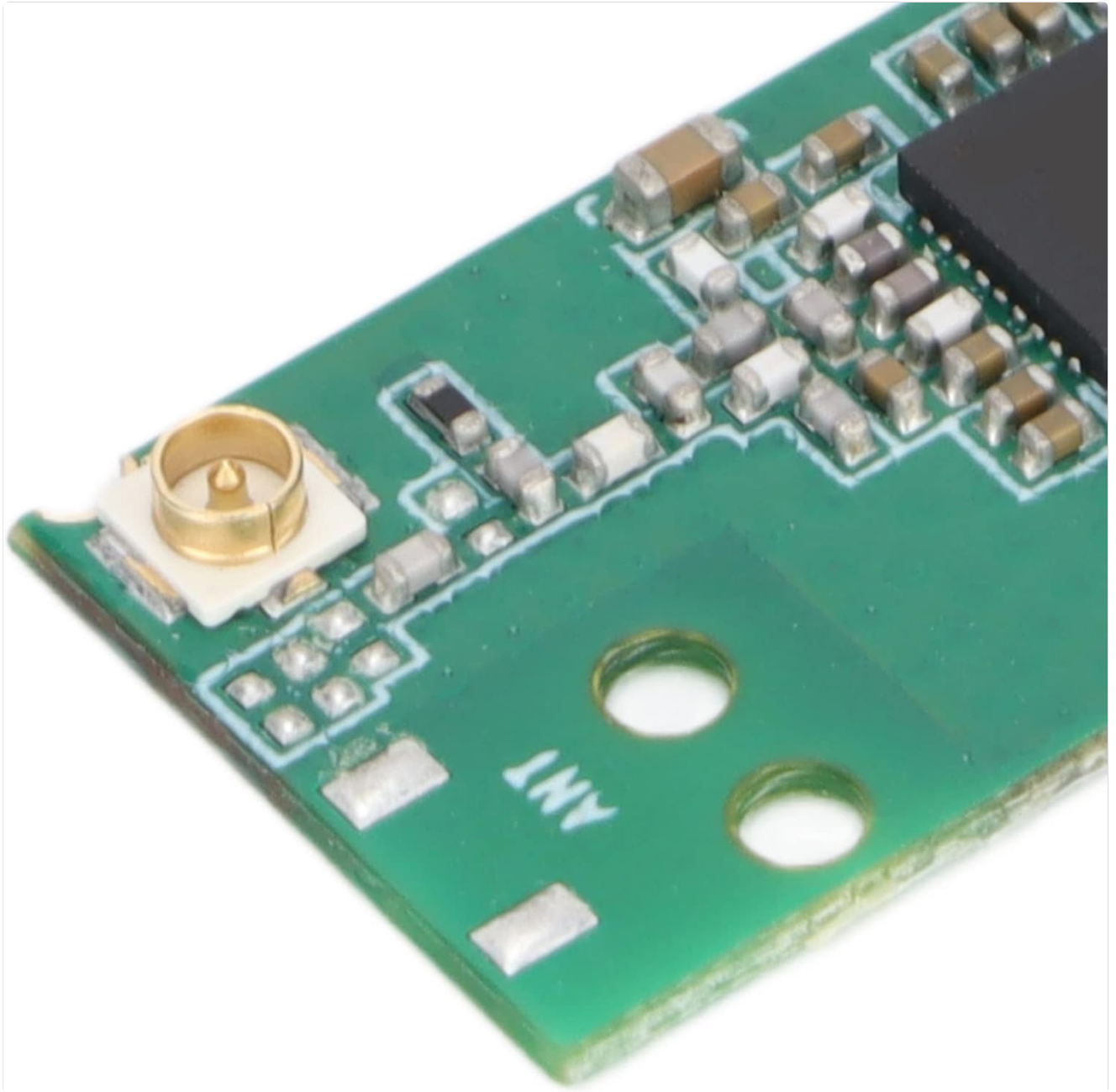


Image: Close-up view of the RF antenna connector on the module.

2. **Connect to Device:** The module is designed for integration into devices via its USB interface. Connect the module to the appropriate USB pins or port on your host device (e.g., motherboard, development board). Ensure correct pin alignment for 3.3V, 5V, D+, D-, and GND connections.

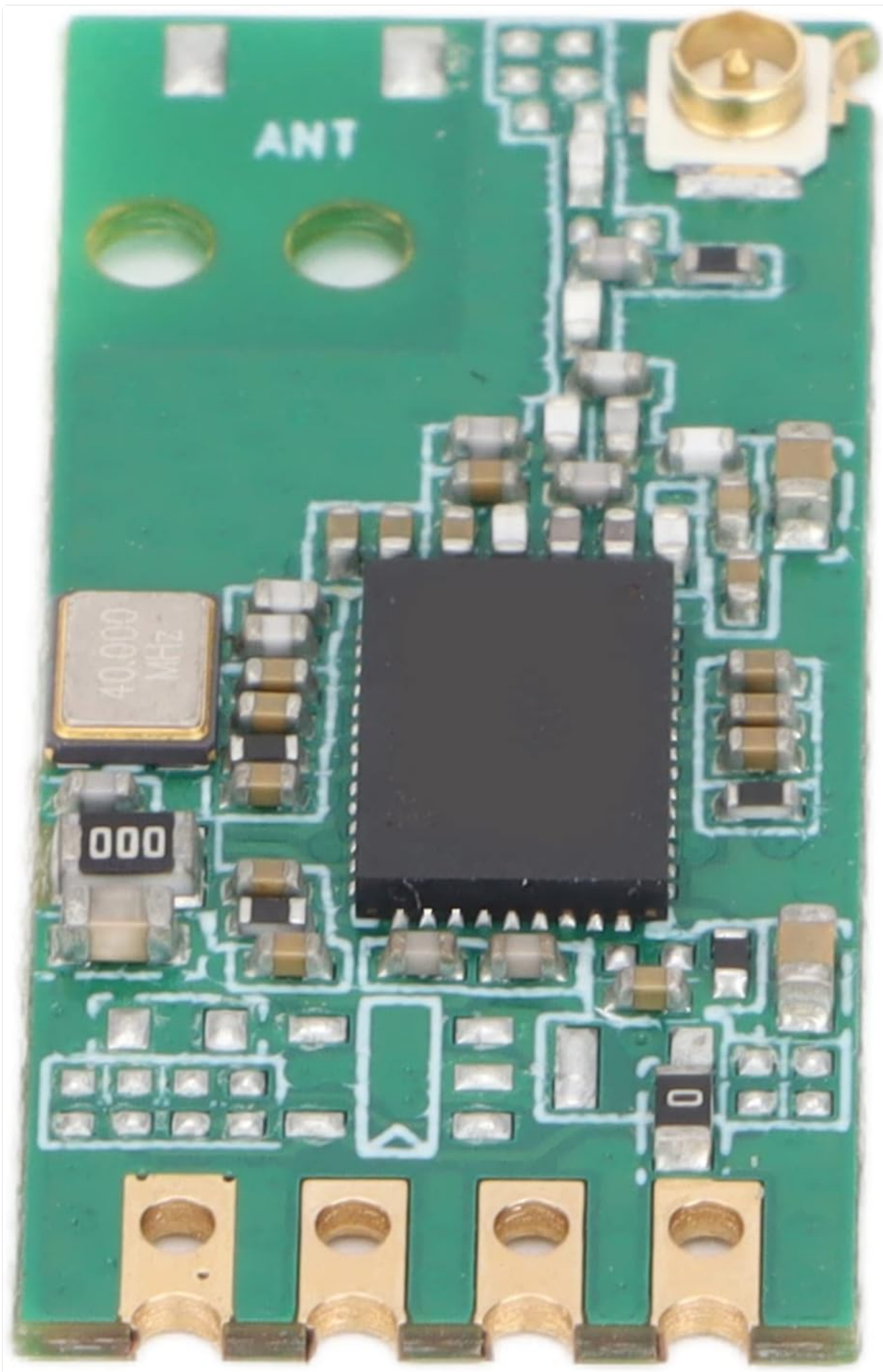


Image: Bottom view of the module, indicating pin labels for USB connection (3.3V, 5V, D+, D-, GND).

3. **Power On:** Once securely connected, power on your host device.
4. **Driver Installation:** For most operating systems (Windows, Linux, Android), the necessary drivers for the RTL8188ETV chip may be automatically detected and installed. If not, you may need to manually install drivers. Refer to your device's documentation or the chip manufacturer's website for specific driver downloads.

5. OPERATION

After successful installation and driver recognition, the WiFi module will be ready for operation:

1. **Enable WiFi:** Ensure that WiFi is enabled on your host device's operating system.
2. **Scan for Networks:** Use your device's network settings to scan for available wireless networks.
3. **Connect to a Network:** Select your desired network from the list and enter the password if prompted. The module supports WPA PSK, WPA2 PSK, WPA, and WPA2 security mechanisms.

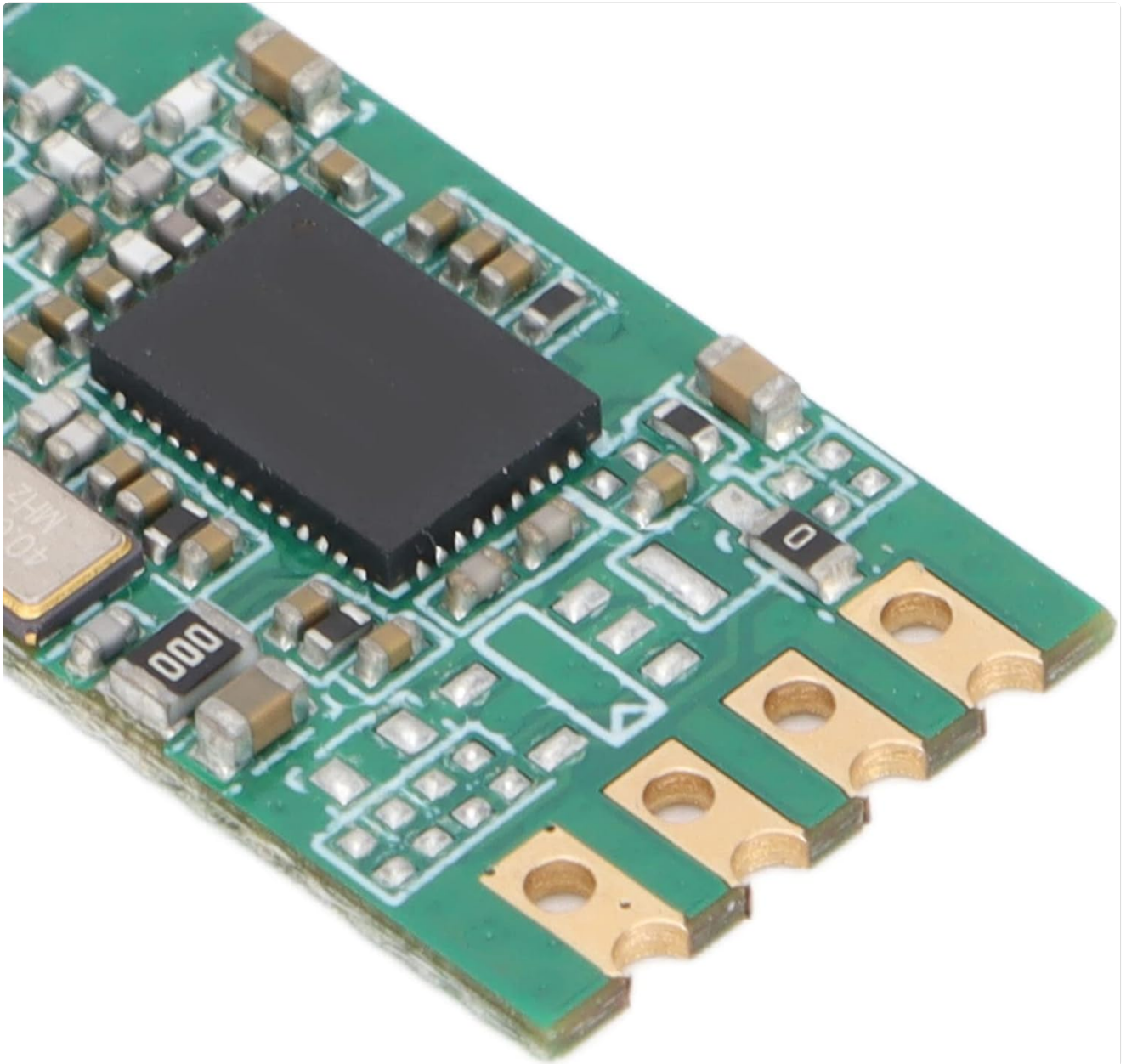


Image: The WiFi module shown in context with network connectivity, illustrating its function.

4. **Verify Connection:** Once connected, verify internet access or network communication as needed.

6. MAINTENANCE

The Dpofirs W2 E USB WiFi Module requires minimal maintenance. To ensure longevity and optimal performance:

- **Keep Clean:** Ensure the module and its connectors are free from dust and debris. Use a soft, dry cloth for cleaning if necessary.
- **Proper Handling:** Avoid exposing the module to extreme temperatures, high humidity, or direct physical impact.
- **Firmware/Driver Updates:** Periodically check for updated drivers or firmware for the RTL8188ETV chip from the chip manufacturer or your device's vendor to ensure compatibility and performance improvements.

7. TROUBLESHOOTING

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

- **No WiFi Signal / Device Not Detected:**
 - Ensure the module is correctly and securely connected to the USB interface.
 - Verify that the external antenna (if used) is properly attached.
 - Check if the necessary drivers are installed. Reinstall drivers if unsure.
 - Restart your host device.
- **Unable to Connect to Network:**
 - Double-check the WiFi password.
 - Ensure your network is within range and broadcasting its SSID.
 - Try connecting to a different network to rule out network-specific issues.
 - Verify that your device's operating system has WiFi enabled.
- **Slow Connection Speed:**
 - Ensure the module is operating within optimal range of your wireless router.
 - Check for interference from other electronic devices.
 - Update drivers to the latest version.
 - Verify your router's settings and internet service provider's speed.

8. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided with your purchase or contact Dpofirs customer service. Keep your purchase receipt as proof of purchase.

Manufacturer: Dpofirs

Model Number: Dpofirs5dgo92i38w3123 (Internal Reference)

ASK A QUESTION ABOUT THIS MANUAL

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Open the live page

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