User Manual

EWT73-2G4M Server



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Chengdu Ebyte Electronic Technology Co.,Ltd.

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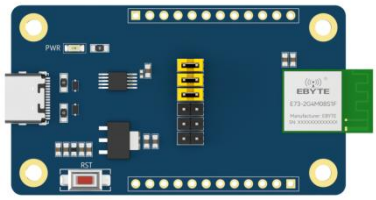
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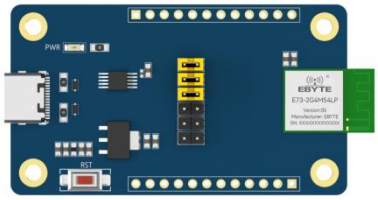
1. Overview

1.1 Product Introduction

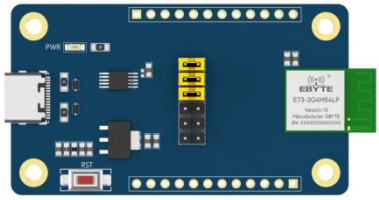
The EWT73-2G4M Server is a test kit designed by EBT based on the E73-2G4M54LP(15)/E73-2G4M54LP(05)/E73-2G4M54LP(10) module , which can significantly reduce the user's development cycle. For detailed information on the E73-2G4M54LP(15)/E73-2G4M54LP(05)/E73-2G4M54LP(10), please visit the official website to download relevant documentation for this model .



EWT73-2G4M54LP(15)



EWT73-2G4M54LP(05)



EWT73-2G4M54LP(10)

1.2 Features

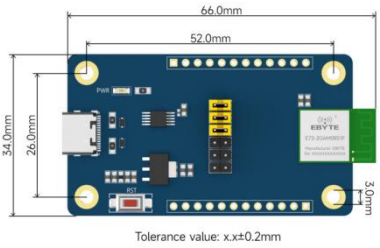
- Standard Type-C interface, plug and play;
- Abundant peripherals, easy to use;
- Integrated high-performance CH340X chip;

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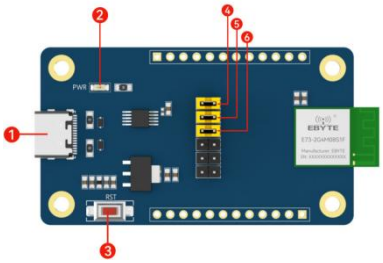
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2. Hardware Description

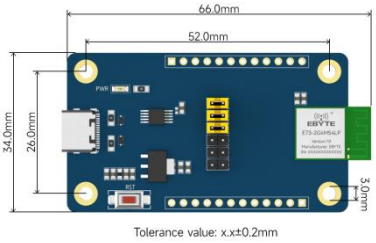
2.1 Product Dimensions and Interface Definitions



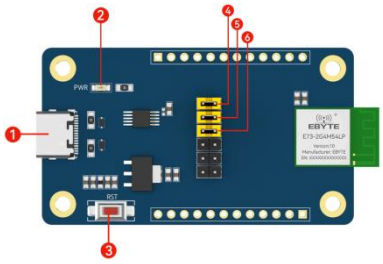
EWT73-2G4M54LP(15)



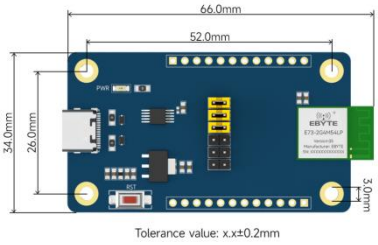
EWT73-2G4M54LP(15)



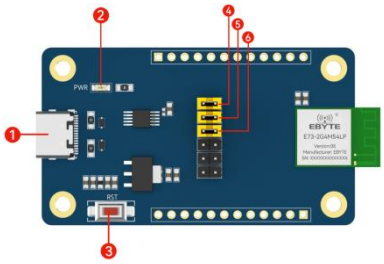
EWT73-2G4M54LP(10)



EWT73-2G4M54LP(10)



EWT73-2G4M54LP(05)



EWT73-2G4M54LP(05)

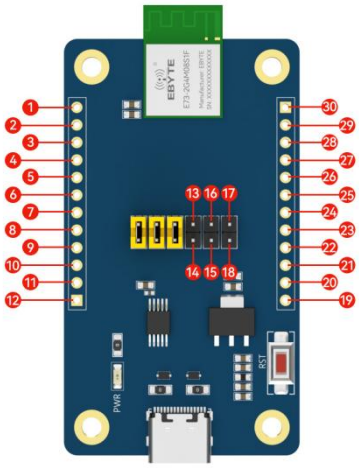
Serial Number	definition	illustrate	Remark
1	Type-C	DC 5.0V power supply and communication interface	Standard Type-C interface, plug and play
2	PWR	Power indicator light	Power supply is normal, indicator light is constantly on.
3	RST	Reset button	-
4	VDD	Module power supply jumper	DC 3.3V
5	P2.02	Module RXD	-

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		jumper	
6	P2.00	Module TXD jumper	-

2.2 Pin Definitions



EWT73-2G4M54LP(15)/EWT73-2G4M54LP(05)/EWT73-2G4M54LP(10)

Pin number	Pin Name	Pin direction	describe
1	P1.09	Input/Output	Configurable general-purpose I/O ports
2	P2.07	Input/Output	Configurable general-purpose I/O ports
3	P2.09	Input/Output	Configurable general-purpose I/O ports
4	P0.03	Input/Output	Configurable general-purpose I/O ports
5	P0.04	Input/Output	Configurable general-purpose I/O ports
6	P1.10	Input/Output	Configurable general-purpose I/O ports
7	P1.11	Input/Output	Configurable general-purpose I/O ports
8	P1.12	Input/Output	Configurable general-purpose I/O ports
9	P1.13	Input/Output	Configurable general-purpose I/O ports

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10	P1.14	Input/Output	Configurable general-purpose I/O ports
11	P1.04	Input/Output	Configurable general-purpose I/O ports
12	P1.02	Input/Output	Configurable general-purpose I/O ports
13	SWD	Input/Output	SWDIO (Program Debug/Download Port)
14	CLK	Input/Output	Program debugging/download port SWCLK
15	P1.03	Input/Output	Configurable general-purpose I/O ports
16	P1.06	Input/Output	Configurable general-purpose I/O ports
17	P1.07	Input/Output	Configurable general-purpose I/O ports
18	P1.05	Input/Output	Configurable general-purpose I/O ports
19	P1.08	Input/Output	Configurable general-purpose I/O ports
20	P2.01	Input/Output	Configurable general-purpose I/O ports
21	P2.03	Input/Output	Configurable general-purpose I/O ports
22	P2.06	Input/Output	Configurable general-purpose I/O ports
23	P2.08	Input/Output	Configurable general-purpose I/O ports
24	P2.10	Input/Output	Configurable general-purpose I/O ports
25	P0.01	Input/Output	Configurable general-purpose I/O ports
26	P2.04	Input/Output	Configurable general-purpose I/O ports
27	P2.05	Input/Output	Configurable general-purpose I/O ports
28	P0.02	Input/Output	Configurable general-purpose I/O ports
29	P0.00	Input/Output	Configurable general-purpose I/O ports
30	GND	-	power ground

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3 Frequently Asked Questions

3.1 Transmission distance is not ideal

- Temperature, humidity, and co-channel interference can all lead to increased packet loss rates in communications .
- The ground absorbs and reflects radio waves, and the test results are poor when the ground is close to the ground .
- Seawater has a strong ability to absorb radio waves, so testing results are poor at the seaside .
- If there are metal objects near the antenna, or if it is placed inside a metal casing, the signal attenuation will be very severe .
- At room temperature, the power supply voltage is lower than the recommended value; the lower the voltage, the lower the power output .
- The antenna may be poorly matched with the module or have quality issues.

3.2 Module is easily damaged

- Please check the power supply and ensure it is within the recommended voltage range. Exceeding the maximum value will cause permanent damage to the module .
- Please check the power supply stability; the voltage should not fluctuate significantly or frequently .
- Please ensure anti-static operation during installation and use, as high-frequency devices are sensitive to electrostatic discharge .
- Please ensure that the humidity is not too high during installation and use, as some components are humidity-sensitive .
- Unless there are special requirements, it is not recommended to use it at excessively high or low temperatures.

3.3 The error rate is too high .

- If there is interference from a co-channel signal nearby, move away from the source of interference or change the frequency or channel to avoid the interference.
- An inadequate power supply can also cause garbled characters, so it is essential to ensure the reliability of the power supply.
- Poor quality or excessive length of extension lines or feeders can also lead to a high bit error rate.

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Revision History

Version	Revision Date	Revision Notes	maintainer
1.0	2025-11-05	Initial version	Bin
1.1	2026-07-30	● New models: EWT73-2G4M54LP(05), EWT73-2G4M54LP(10) ● Product model change: The model EWT73-2G4M08S1F has been changed to EWT73-2G4M54LP(15)	Bin

Contact Us

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Thank you for using Ebyte products! Please contact us with any questions or suggestions: info@cdebyte.com

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