

● WM-112: 1 Port Serial to Ethernet PCB Module



Order Information:

Model No.: WM-112

● FEATURES

➤ Protocol Support

ARP, ICMP, TCP, UDP, IP, DHCP Client,
HTTP,SNMP(Optional),SNTP(Optional), Modbus TCP, Modbus RTU

➤ Support Interface

RJ-45 Port x1, 10/100Mbps, 2KV, auto MDI/MDIX
RS-232 Port x1 up to 921.6Kbps, RTS/CTS H/W low control *
RS-485/RS-422 x1, up to 921.6Kbps ,Half Duplex for RS485, Full Duplex
for RS-422 *

➤ Setting

Use HTTP, Browser for Setting

➤ Security

Setup Login in Password Protect
Access Password Protect
Firmware Upgradeable
Support New Version Firmware Upgradeable

➤ Low Power Consumption

Less than 1W Power Consumption

➤ Multi Sockets

Support Multit Sockets and HTTP
All protocol working Independent and concurrently

➤ High Reliability

RTOS inside, Build in Watchdog, Power Good, Software Watchdog
Working 24Hours per day

➤ Low Cost

● GENERAL DESCRIPTIONS

WM-112 is the PCB Web Server using the ARM Cortex M3's family microprocessor as the Ethernet controller to be a RS232 to Ethernet controller with limit devices. It can provide you lower cost, but limited functions TCP/IP stack. WS-130 series are using the state machine to handle TCP/IP stack because of the limit resources.

WM-112 is a small size and low cost module is easy to implement an application in IA, Automatic, Security and any low data rate data transmit ion as a coprocessor. WM112 supports the ARP, ICMP, TCP, UDP, IP, DHCP-Client and HTTP protocols, also support SNMP(Optional) , SNTP(Optional).

● APPLICATIONS

Data collection & security terminals:

Access Control Terminals

Security Devices

Time Recorders

Warehouse Terminals

Shop floor automation Terminals

Remote Sensors & Meters:

Power monitors

Power meters

Environmental monitors

Temperature monitors

Data loggers

Auto-ID Scanners:

Barcode Scanners

Magnetic Card Readers

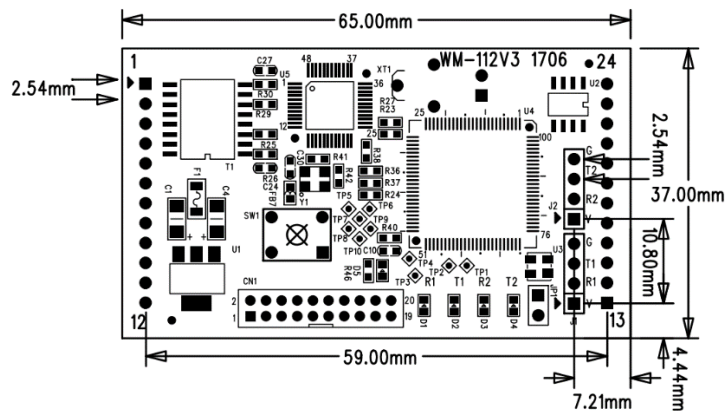
You can use the browser to setting parameters of the WM-112, or you can use the commands to setting parameters of the WS-112 series Web Server. It is easy to management in Individual or via Application software.

● **SPECIFICATION**

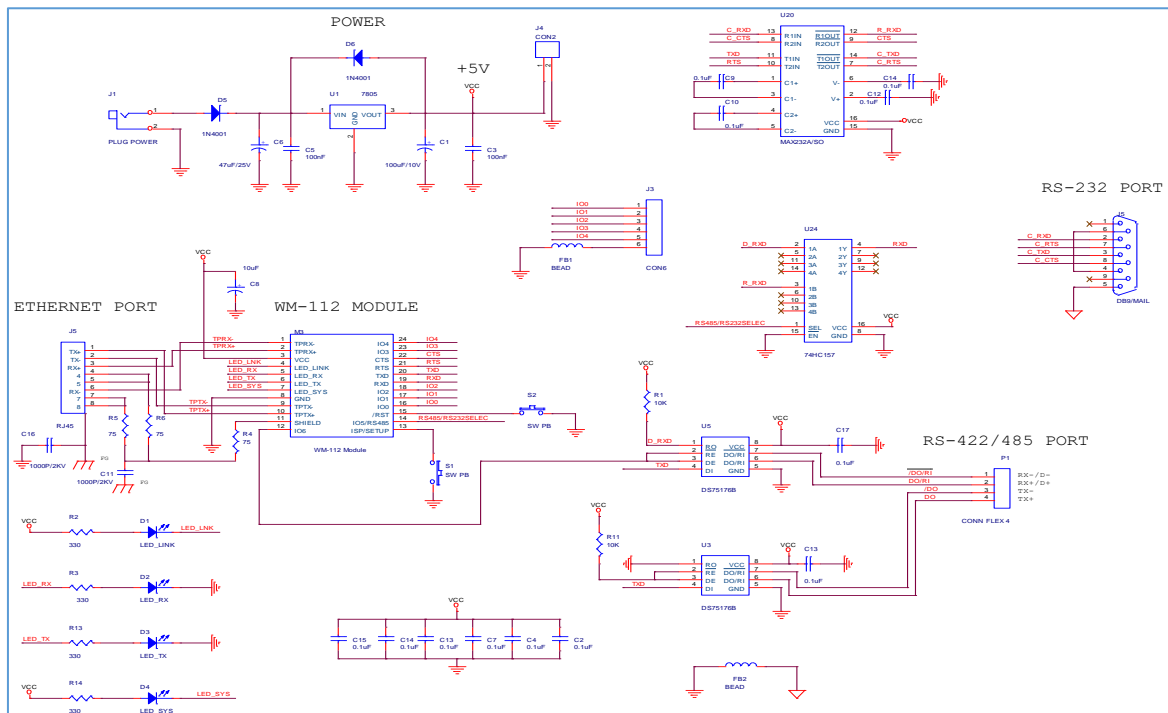
PIN	Name	Type	Description
1	TPRX-	I	The AUI receive input pairs carries the differential receives input signal from the MAU.
2	TPRX+	I	Same as the Pin 1, it is a positive differential input of the AUI.
3	VCC	P	+5V DC Power
4	LED_LINK	O	Active Low, Active while the UTP cable is plugged and link
5	LED_RX	O	Blinking while receiving a Ethernet Packet.
6	LED_TX	O	Blinking while transmitting a Ethernet Packet.
7	LED_SYS	O	There are three signal states of this LED 1. Blinking Per second while normal operation 2. Blink Fast while power on do self test. 3. Low while error or restored factory default parameter
8	GND	P	GND, DC power
9	TPTX-	O	This is AUI transmit output pair contains the differential line drivers which send Manchester encoded data to the MAU.
10	TPTX+	O	Same as Pin 9, it is the Positive differentials transmit out.
11	SHIELD GND	P	The shield GND.
12	IO6/Hal_Duplex	I/O	Digital I/O or it is a half duplex control of the RS-485
13	ISP/SETUP	I	Active low, will cause System enter into ISP mode while power plugged in and low this pin. Or Enter into Restored factory default parameter mode
14	IO5/RS485	I/O	Digital I/O, or it is a RS-485 or RS-422 function selector.
15	/RST	I	Reset Pin
16	IO0	I/O	Digital I/O
17	IO1	I/O	Digital I/O
18	IO2	I/O	Digital I/O
19	RXD	I	UART Rx data in.
20	TXD	O	UART Tx data in
21	RTS	O	RS232 /RTS
22	CTS	I	RS232 /CTS
23	IO3	I/O	Digital I/O
24	IO4	I/O	Digital I/O

I: Input
 O: Output
 P Power
 Pin: 3.3V Signal

● Dimension



● Connection



● Configuration

Web Browser or Setup tool

● Installation

Wall Mount
 Din Rail (Optional Din Rail Kit)