

## 1.6 Evaluation Board

The evaluation board for CSW-M85 equips an RJ45, D-SUB 9 pin Male connector and DC power connector.

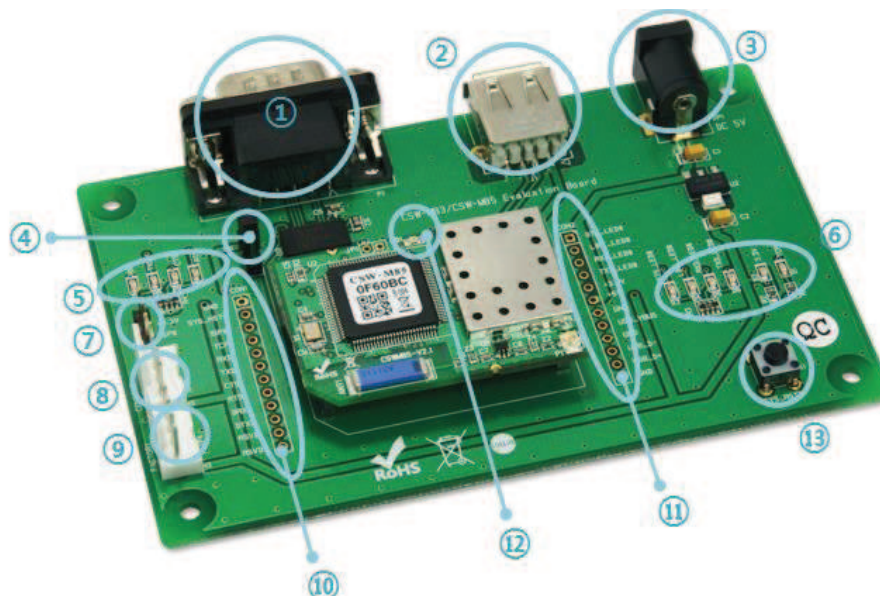


Figure 1-7 evaluation board of CSW-M85

### 1.6.1 Components

- ① D-SUB 9 pin male connector for RS232 connection
- ② USB socket (Only for RF Test)
- ③ Connector for supplying 5V DC power
- ④ JP3: Jumper for connecting the Line driver for RS232 port.

Division	ON	OFF
using RS232		
using TTL		

Figure 1-8 jumper positions of JP3

- ⑤ LED indicators 1

Name	Color	Description
RXD (D7)	Green	blinking when receiving data from the serial port
TXD (D8)		blinking when transmitting data to the serial port
CTS (D9)		ON while the counterpart's RTS is ON.
RTS (D10)		ON while CSW-M85 can receive data from the serial port

Table 1-7 LED indicators 1

## ⑥ LED indicators 2

Name	Color	Description
TCP# (D1)	Green	ON while TCP connection is established
3.3V (D2)	Red	ON while the power is being supplied
STS# (D3)	Green	ON while TCP connection is established
		blinking every second with obtaining an IP address
		blinking four times at once without obtaining an IP address
LINK# (D4)	Green	ON when a wireless LAN is linked
		blinking when a wireless LAN is not linked
RXD# (D5)	Green	blinking when receiving data from the network
TXD# (D6)	Green	blinking when transmitting data to the network

Table 1-8 LED indicators 2

## ⑦ JP2: jumper for changing modes

Mode	3.3V	ISP	GND
Normal			
Serial Configuration		Less than 1 sec	

Figure 1-9 jumper positions of JP2

## ⑧ Console(JP5): port for debugging messages

## ⑨ Factory(JP4): port for production and special functions

Name	Description
#2	This pin is connected to LINK_Q# for LINK Quality Indication.
#3	This pin is connected to CONFIG# for Changing mode to serial configuration or initializing ENV. (Factory Reset)

Table 1-9 JP4

## ⑩ CON1: All pin is connected with CON1 of CSW-M85

## ⑪ CON2: All pin is connected with CON2 of CSW-M85

## ⑫ LED indicators 3

Name	Color	Description
LD1	Green	In Normal mode: same operation with STS# LED
		In ISP mode: blinks every second

Table 1-10 LED indicators 3

## ⑬ Reset switch: a button which resets power of evaluation board