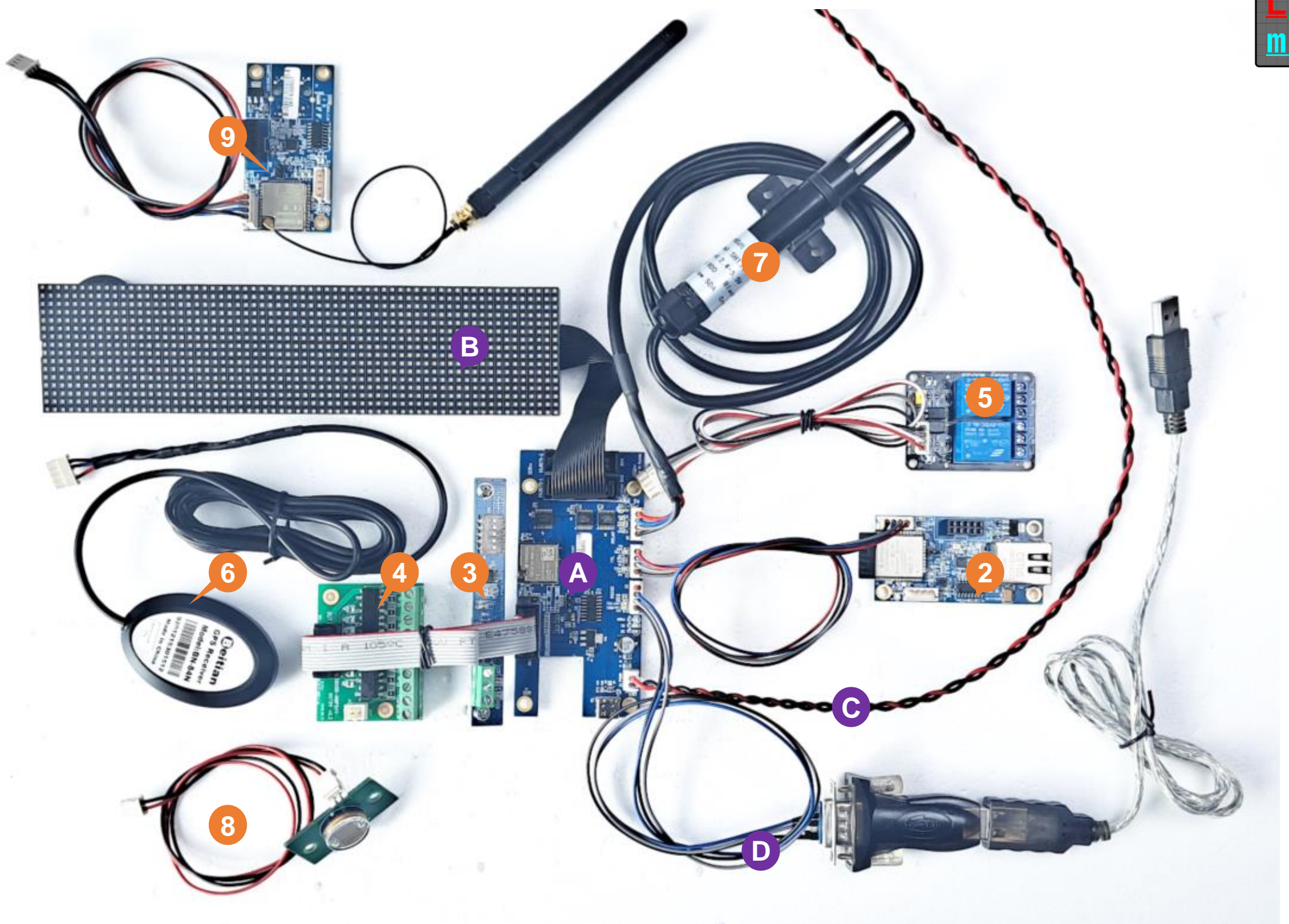


Optional Part of LMD controller



- A. **LED control card(LMD-C1-1S)**: receives message data from the customer system, displays it on the LED sign in real time, and simultaneously communicates with various optional devices to perform necessary functions.
- B. LED module
- C. Power cable(2pin, dc5v, Max. 0.5A)
- D. RS232 communication cable(TX, RX,GND)

- ① **Ethernet converter(LMD-S2E)** : converts Serial(TTL/RS232 ports) to Ethernet
- ② **RS485 converter(LMD-RS485)** : converts Serial(BH1 port) to RS485
- ③ **Switch IO board(LMD-IO)** : receives switching signals from PLC SSR or relay/switch to display the corresponding message
- ④ **Relay board(LMD-Relay)**: controls peripheral devices such as warning lights, buzzers, fans and guide bars.
- ⑤ **GPS time receiver(LMD-GPS)** : receives and updates the accurate time data to the controller
- ⑥ **Temperature / Humidity sensor(LMD-T-H)** : displays temperature or humidity
- ⑦ **CDS sensor for auto brightness control (LMD-CDS)**: adjusts the brightness of the LED screen according to the surrounding brightness.
- ⑧ **Wifi / Bluetooth converter** : using TTL/RS232 port of the controller

If you have any questions regarding the contents of this manual, please contact "82-2-2272-5038 or LEDmsg01@gmail.com".