

PL530 Laser Driver Board with WiFi Kit8 and LCD Display

Model: Kit8-12

This driver board integrates an ESP8266-based WiFi OLED Display Development Board to control the PL530 laser module and offers the following features:

1. Stable laser current, heater current, and TEC temperature are regulated via three PID closed-loop circuits and continuously monitored on the OLED display. The laser current, heater current are easily adjusted via the on-board potentiometers.
2. Laser and heater currents can be conveniently adjusted using the onboard potentiometers.
3. Laser and heater currents can be monitored and adjusted by WiFi enabled devices via WiFi Access Point Controls.

Dimension: 72 x 52 x 16 mm

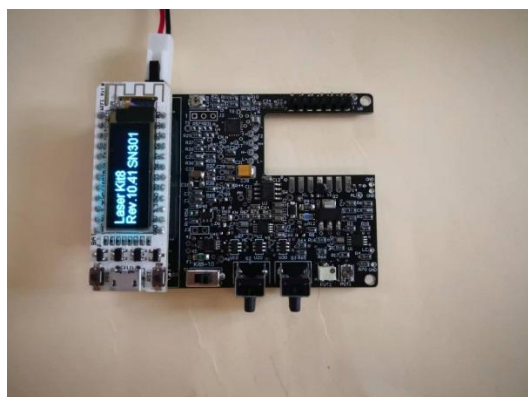


Fig.1. The Driver Board.

Table 1. The laser connection pinout of U8

Pin	
1, 2	Thermistor
3	Laser Kathod LD-
4, 5	Heater
6	TEC+
7	TEC-
11	Laser Anode LD+

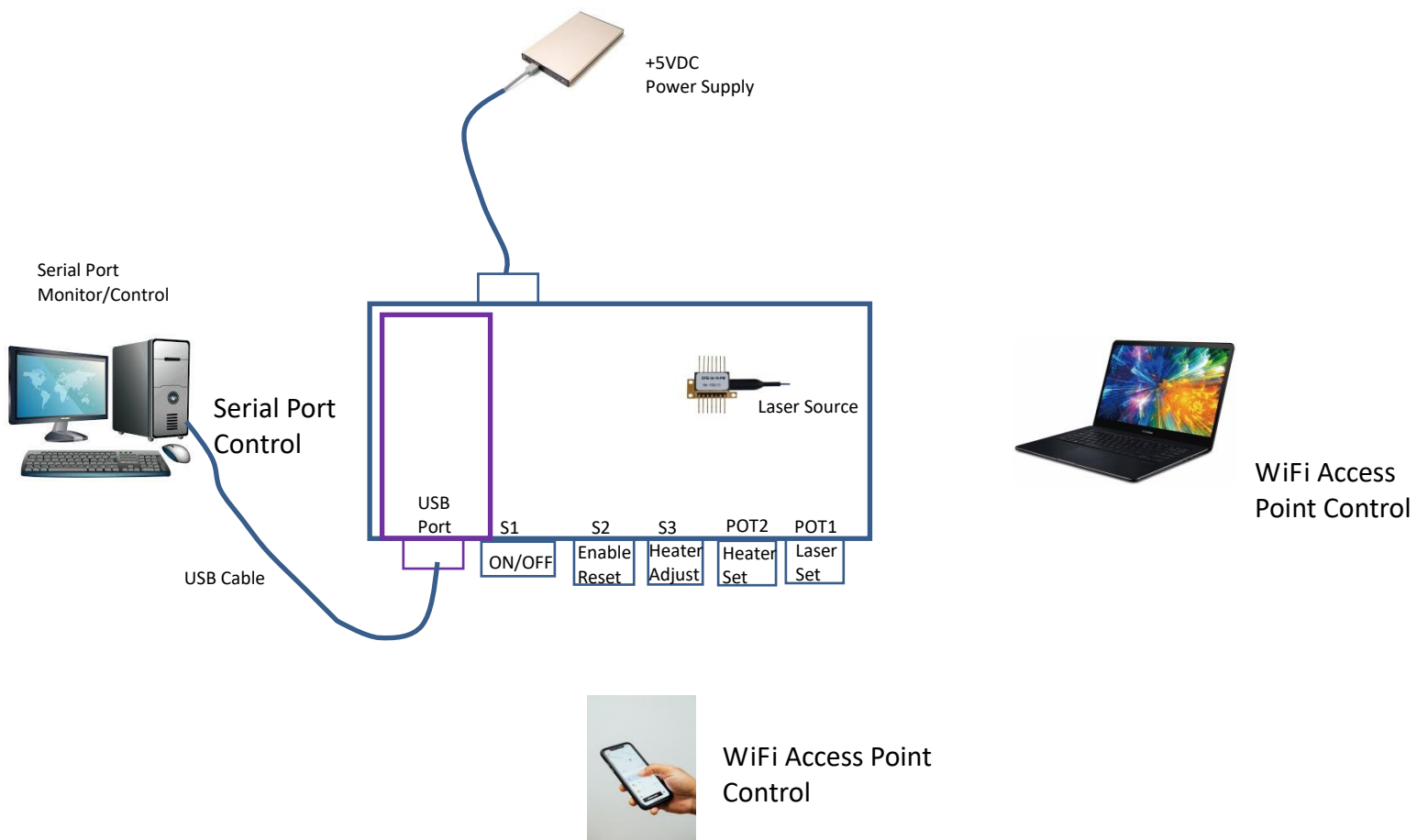


Fig.2. The Driver Board Connection Diagram

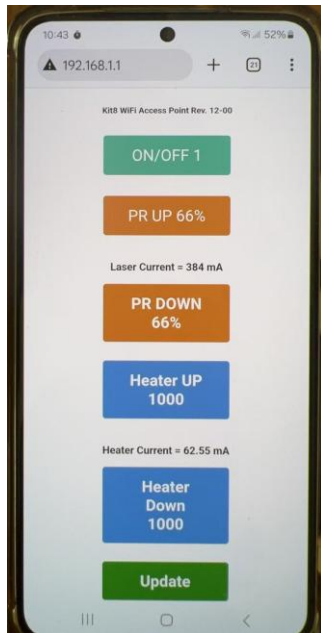


Fig.3. Access Point Control via WiFi

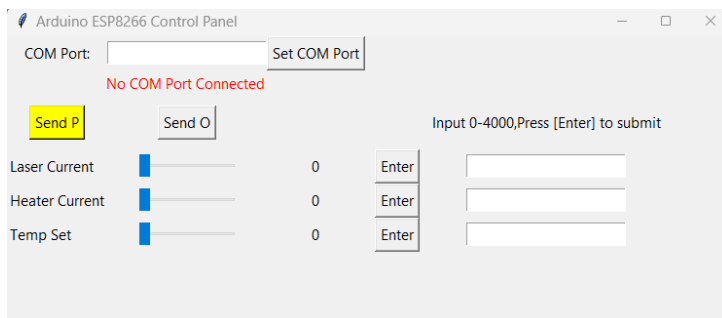


Fig.4. Serial Port Control via Control Panel