

PL530 Laser Source with ESP8266 WiFi Board

Model: PL530EKS

The PL530 laser source utilized ESP8266 WiFi OLED Display Development Board to control PL530 laser to obtain the following features:

1. Stable laser current, heater current and TEC temperature controlled by three PID close loop circuits and monitored over OLED display screen.
2. The laser current, heater current and are easily adjusted via the on-board potentiometers.
3. Laser current, heater current and TEC temperature can be monitored and adjusted by HyperTerminal of a computer serial port.
4. Laser power output ON/OFF can be controlled by WiFi enabled devices remotely.

Dimension: 100 x 76 x 30 mm



Fig.1. The PL530 Laser Source.

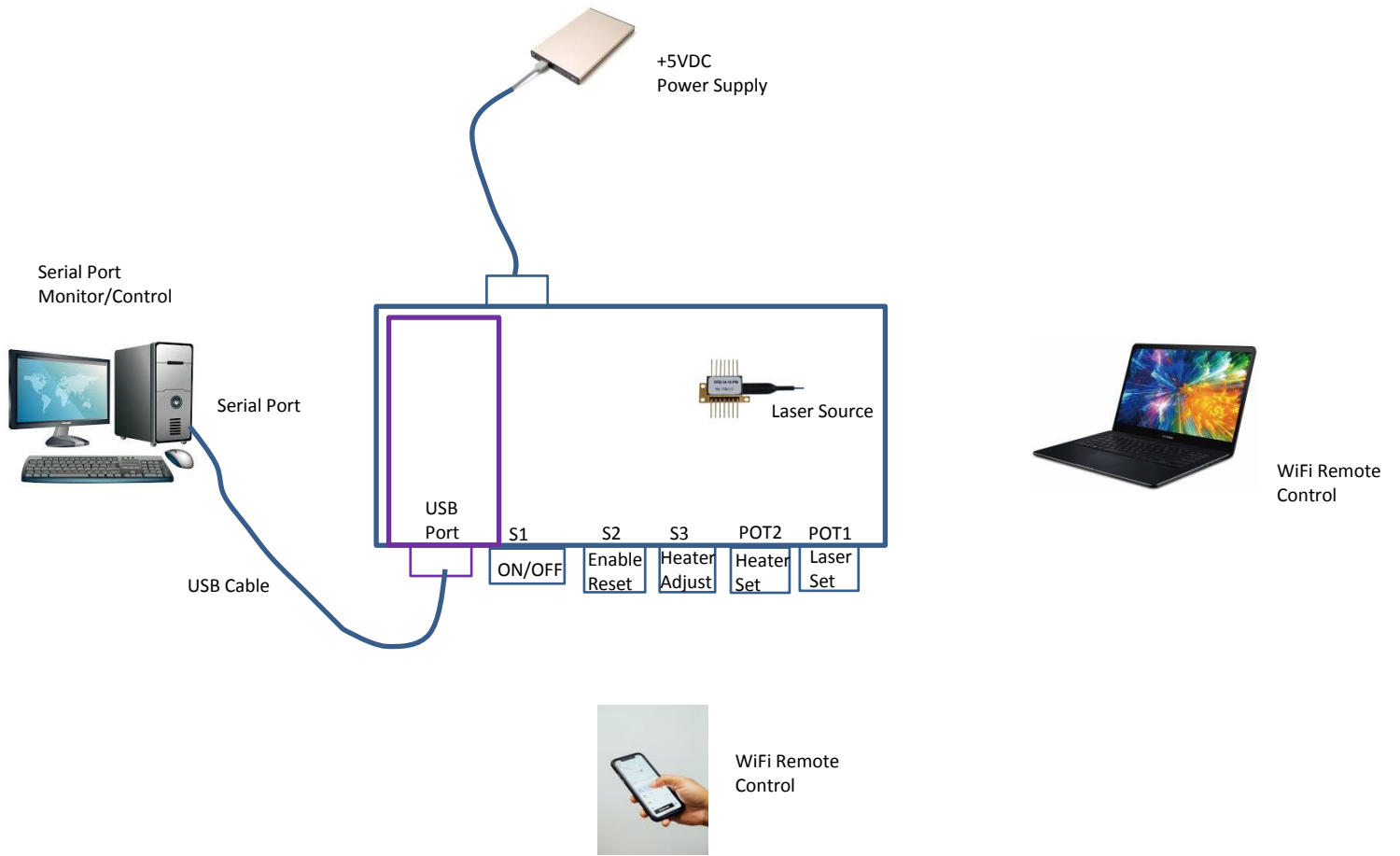


Fig.2. The Driver Board Connection Diagram



Fig.3. Remote Control via WiFi

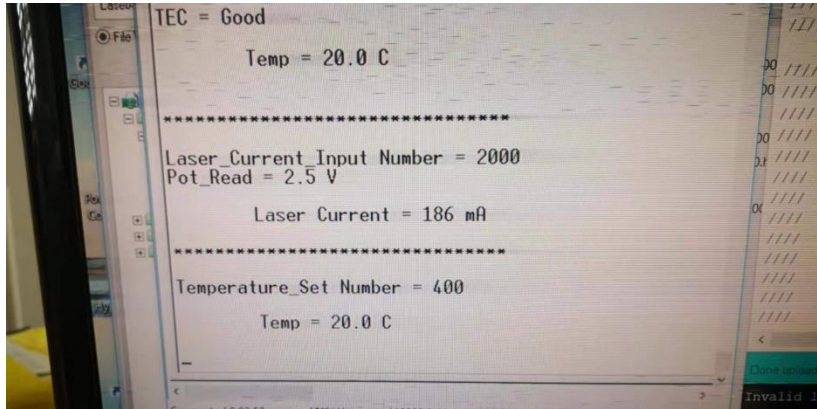


Fig.4. Monitor/Control over Serial Hyper Terminal