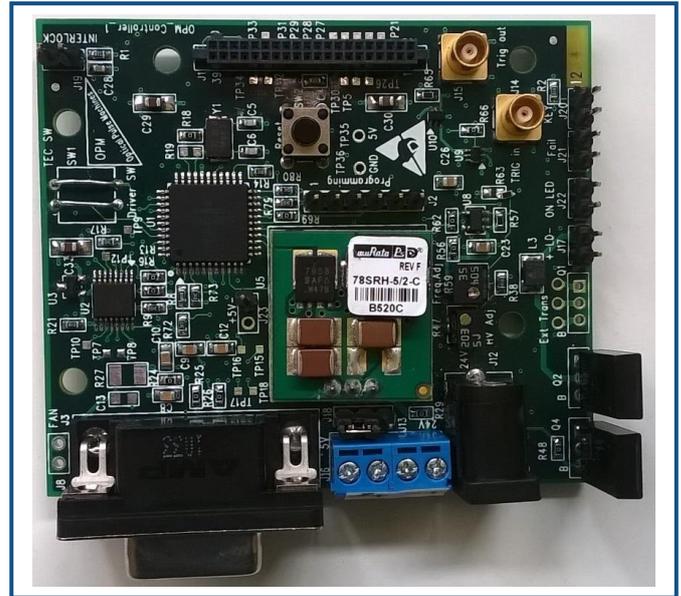




## Controller and GUI for OPM-LD series modules

### Features

- The Controller/GUI matches all OPM's OPM-LD modules (pulsers and laser drivers)
- RS-232 interface (USB using a serial-USB cable)
- Eliminates the need for discrete control inputs
- GUI software to controls all module's functions
- Single Power supply (12V or 24V)
- A wide range trigger oscillator and diverse triggering features.
- Save / retrieve waveform function
- Safety features: Interlock/Key input and quick shut-down from the GUI
- Compact: 70mm x 60mm



### Description

The OPM Controller/GUI is compatible to all OPM's OPM-LD series modules. The product shall be used in conjunction with any of the OPM-LD modules. The product's main features are:

- RS-232 connectivity and USB connectivity using a RS232-USB cable.
- A single Power supply (12V or 24V). The controller provides the supply voltages to the OPM-LD module.
- On board trigger generator 2.5KHz to 25MHz and supporting external trigger from DC to up to 50MHz.

The OPM-LD module with the Controller/GUI form a capable and easy to use solution with no need to deal with manual calibrations and analog control signals.

OPM-LDa-256 connected to controller using the OPM-EXT-40-2 cable



OPM-LDa-3 attached to controller



### Product Applications

- Seed Laser for Fiber Lasers
- Optical pulser for LRF or LIDAR target simulators
- 3D Vision systems
- Pico-second to nanosecond pulsers for lab use

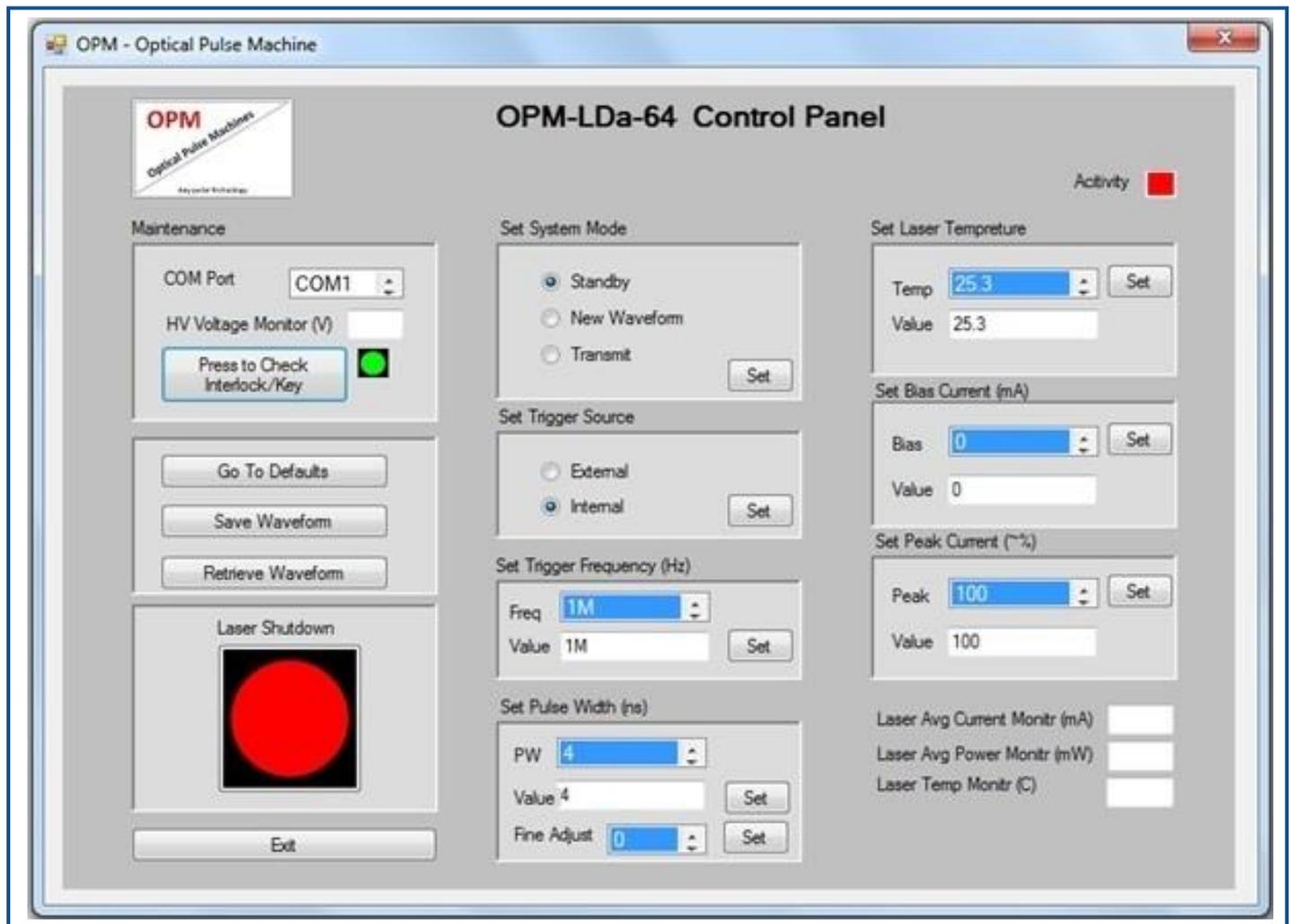


## Controller and GUI for OPM-LD series modules

The GUI software controls all the functions of the OPM-LD module and displays status/monitoring data. It includes tens of pre-set values of pulse-width, frequencies, bias currents, Peak currents and LD temperatures. The GUI also allows the user to save and retrieve waveforms.

A special attention was made to safety features: Interlock input, Key input and a one touch quick shut-down from the GUI.

Attaching the controller to an OPM-LD board forms one board with total dimensions of ~7X10 cm. The user may also connect the two boards by using a cable. The two boards can also be attached to form a (sandwich) having dimensions of 70mm x 60mm.



### Ordering codes:

CSW-64	Controller/SW for OPM-LDa-64
CSW-256	Controller/SW for OPM-LDa-256
CSW-1250	Controller/SW for OPM-LDa-1250
CSW-3	Controller/SW for OPM-LDa-3 and OPM-LDa-gs