

## The Integrated Frequency Stabilization Controller

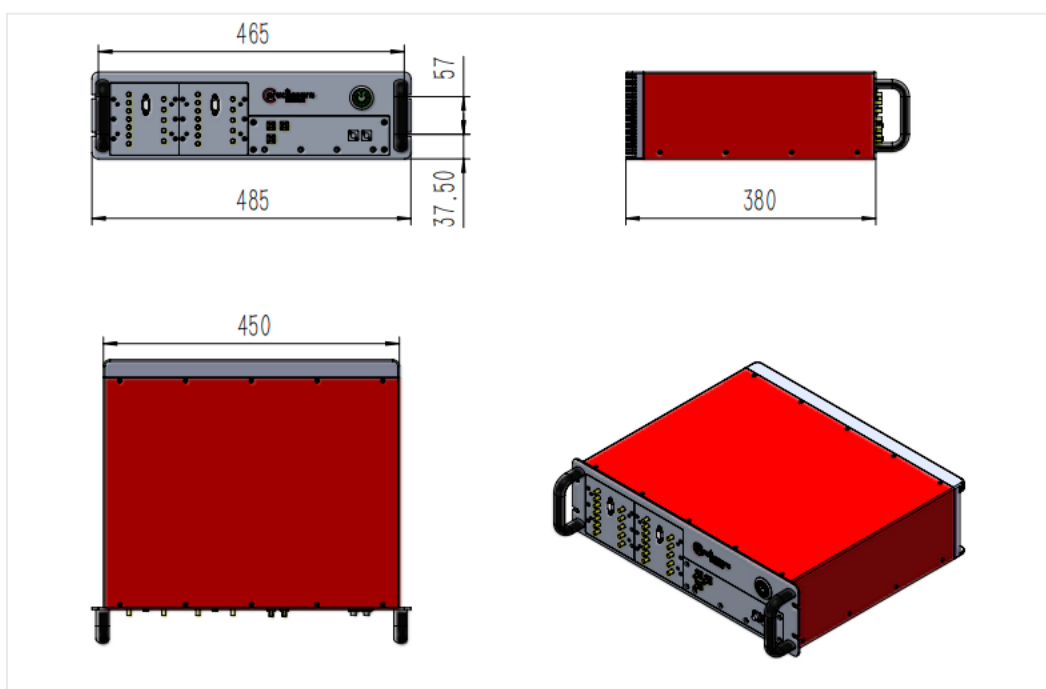


### The product description

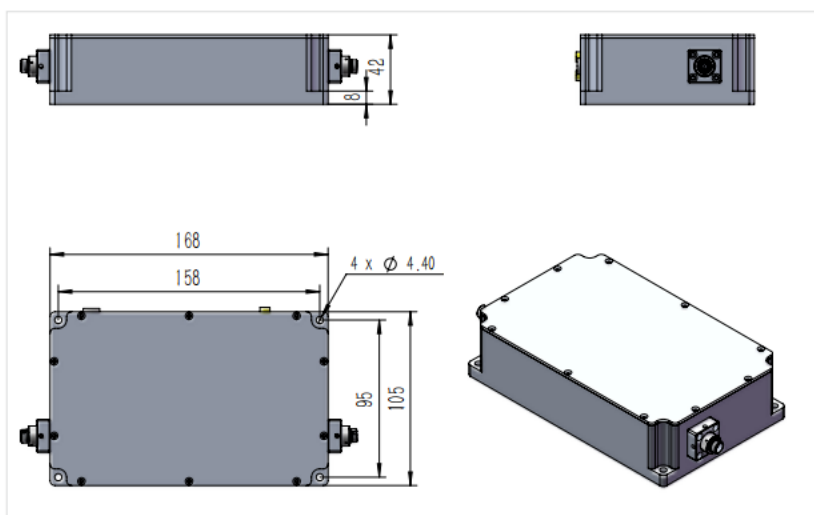
For some practical cold atom physics instruments, transportability is the basic requirement. For portable laser frequency stabilization systems, Erbium group has developed integrated laser frequency stabilization controller. The frequency stabilization optical path and locking controller are integrated in the controller. The laser frequency can be stabilized by simply input the laser through a fiber.

Integrated frequency stabilized controller can be installed in two sets of frequency locking optical path and locking controller. With different combinations of Preci-Lock and Preci-Beat, the integrated controller can have different functions for dual-channels laser. Users can freely choose the type of the controller according to the demand.

### Structure size



The integrated frequency stabilization controller can be placed in a standard cabinet for installation and fixation. To effectively improving the stability, fiber jumpers are used to connect the integrated frequency stabilization controller to other devices.



There is an integrated optical path module in the frequency stabilization controller, which utilizes optical fiber components as much as possible to ensure the all-optical fiber connection of the optical path.