

# PSSC Labs launches new AI-driven RAID Disk Space Calculator to help companies maximize their AI and HPC solutions

*PSSC Labs launches new completely AI-driven RAID Disk Space Calculator to help companies maximize their AI and HPC solutions*

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PSSC Labs, a leading developer of artificial intelligence (AI) deep learning (DLP), high performance computing (HPC) and big data computing solutions, today announced the launch of their enhanced AI-driven RAID Disk Space Calculator. RAID, which stands for Redundant Array of Independent Disks, is a method of combining several hard drives into one unit. By determining the best RAID configuration organizations can determine the computer hardware solutions to be configured that offer the ideal fault tolerance and higher throughput levels than a single hard drive or group of independent hard drives.

This is especially necessary for highly technical solutions like those needed for [weather modeling](#) such as those needed for hurricane predictions and other potential weather threats and forecasting. Other solutions that can benefit from RAID calculators are artificial intelligence (AI), high performance computing, high throughput genomics and much more.

The PSSC Labs [RAID calculator](#) helps you by computing your RAID capacity characteristics as well as providing you with the most commonly used RAID types.

The newly improved PSSC RAID calculator provides the following parameters: the RAID type, the disk capacity in GB, the number of disks drives per RAID group. If your storage system consists of one or more RAID groups then call the PSSC Labs team at (949) 380-7288 for a custom RAID solution for your needs.

The RAID calculator consists of three critical inputs – the number of anticipated disks, the size of each disk (TBs), and the preferred RAID configuration. When entered, the users can then see the Total Available Storage given those three inputs. Options for the RAID configuration include:

## RAID 0

This configuration requires either a disk quantity greater than one or a disk size greater than 1TB.

## RAID 1

The only allowable number of disks in a RAID 1 configuration is 2 disks. However, disks can still have various storage allowances.

## RAID 5

RAID 5 requires a minimum of 3 disks. Disks can have various storage allowances.

## RAID 6

RAID 5 requires a minimum of 4 disks. Disks can have various storage allowances.

## RAID 10

RAID 5 requires a minimum of 4 disks. Disks can have various storage allowances.

## RAID 50

RAID 5 requires a minimum of 6 disks. Disks can have various storage allowances.

## RAID 60

RAID 5 requires a minimum of 8 disks. Disks can have various storage allowances.

Given the complexity of RAID configuration, the team at PSSC LABS can also assist you with your unique RAID Calculation for your technology requirements. To use the new AI-driven RAID Calculator and to determine which RAID configuration is right for your technology needs click [here](#).

## About PSSC Labs

For technology-powered visionaries with a passion for challenging the status quo, PSSC Labs is the answer for hand-crafted HPC and Big Data computing solutions that deliver relentless performance with the absolute lowest total cost of ownership. We are true innovators offering high performance computing solutions to solve the world's most demanding problems. For over 20 years, organizations of all sizes and from a variety of sectors rely on PSSC Labs' computing systems. We are proud to support many departments within the United States government, Fortune 500 companies, as well as small and medium-sized businesses.

All products are designed and built at the company's headquarters in Lake Forest, California.

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