# sysGen devCUBE Threadripper-Edition

## MORE CORES. MORE LANES. MORE POWER.
UPGRADE YOUR DEEP LEARNING OR DATA ANALYSIS PERFORMANCE WITH OUR DEVCUBE!

## Powerful Solution

The devCUBE combines the world's best hardware, software, and systems engineering for deep learning in a powerful solution that can fit under your desk.

It takes tremendous processing power to efficiently process such huge amounts of data using deep learning algorithms. To that end, sysGen offers an all-in-one, powerful, energy-efficient, cool, and quiet deskside solution, called the sysGen devCUBE.

## Threadripper-Edition

16 cores provide an astonishing 32 threads of simultaneous multi-processing power, while 40MB of combined cache and vast I/O from the enthusiast-grade AMD X399 platform stand ready to feed the beast.

The scalable AMD X399 chipset offers unprecedented expansion for serious multi-GPU arrays.

## NVIDIA GEFORCE RTX 2080 Ti

NVIDIA's latest flagship graphics card revolutionizes performance. The powerful NVIDIA Turing™ GPU graphics processor architecture, groundbreaking technology, and the latest generation of 11GB of super-fast GDDR6 memory make it a graphics processor like never before.

### SPECIFICATIONS

| | |
|---|---|
| Mainboard | ASRockRack X399 Taichi |
| CPU | AMD Threadripper 2950X 16-Core |
| RAM | 8x 16GB DDR4 2666 MHz Total: 128GB |
| GPU | 4x RTX 2080 Ti |
| GPU Memory | 44 GB Total GPU Memory |
| NVIDIA CUDA-Units | 17.408 Units |
| NVIDIA Tensor-Units | 2176 Units |
| GPU-Performance | 54 TFLOPS FP32 108 TFLOPS FP16 |
| Storage | OS: 1x 480GB SATA-SSD Cache: 512GB NVME M.2 SSD Storage: 3x 6TB HDDs |
| Network | 2x 1Gb/s RJ45 Ethernet |
| Software | Ubuntu Linux, Deep Learning Software Stack |

## Deep Learning and Analyses

Deep learning is one of the fastest growing segments in the machine learning/artificial intelligence field. It uses algorithms to model high-level abstractions of data in order to gain meaningful insight for practical application. Such data manipulation has application in various fields, such as computer vision, speech recognition, language processing and big data analyses.