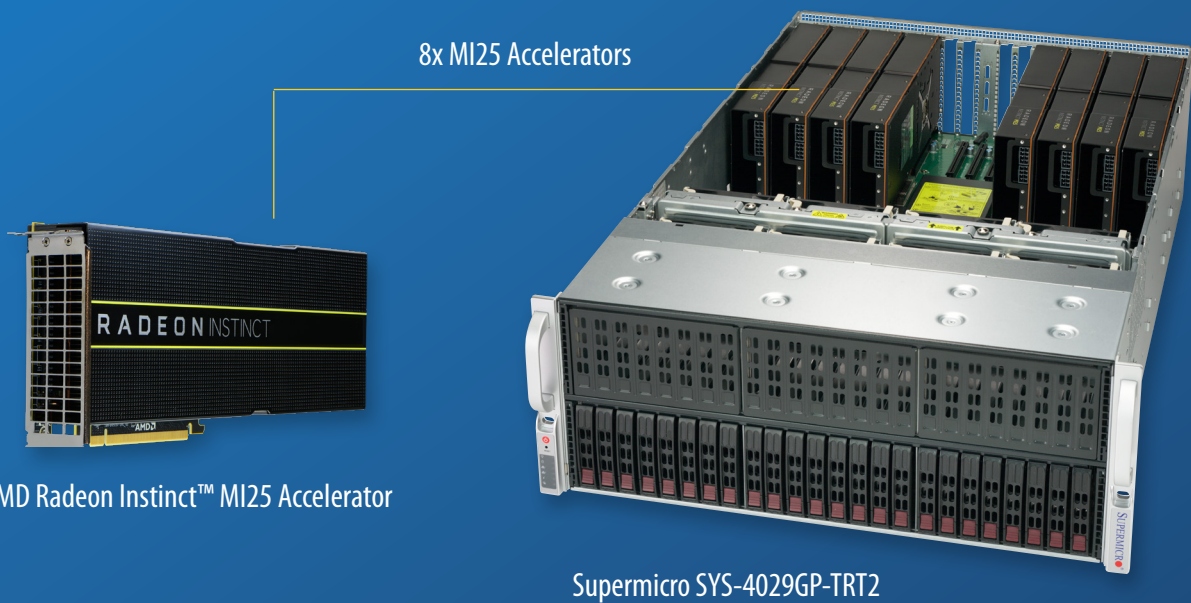




# Supermicro Server and AMD Accelerators Enable Complete Deep Learning Solutions

Supermicro and AMD have worked closely together to launch an optimized deep learning solution based on the Supermicro SuperServer® 4029GP-TRT2 with eight AMD Radeon Instinct™ MI25 accelerators designed to deliver powerful and productive AI experiences.



AMD Radeon Instinct™ MI25 Accelerator

Supermicro SYS-4029GP-TRT2

## Key Benefits

- Configurable server system (memory, storage, CPUs, and I/O)
- Top-to-bottom software stack
- Flexibility with open source software
- Deploys rapidly
- Superior Performance-to-Price

**Empowers data scientists, engineers and researchers to focus on analysis and discovery**



### Radeon Open Ecosystem (ROCm)

The ROCm software stack includes tuned & optimized libraries for deep learning frameworks, compilers, and other key tools

### APPLICATIONS

Image and Video, Speech, Natural Language Processing

### OPEN FRAMEWORKS

TensorFlow PYTORCH Caffe Caffe2 mxnet

### OPTIMIZED ECOSYSTEM FOR COMMON LIBRARIES

### HARDWARE ABSTRACTION



**SUPERMICRO SUPERSERVER® 4029GP-TRT2**  
Powered by AMD Radeon Instinct MI25 Accelerators

## Deep Learning Resources

### Frameworks



Open source machine learning framework for everyone

#### Access Link



Deep learning framework for speed and modularity

#### Access Link



### Docker Container



ROCm Docker Container Hub

#### Access Link



- Supermicro SYS-4029GP-TRT2 Detailed Specifications  
[https://www.supermicro.com/products/nfo/Radeon\\_Instinct.cfm](https://www.supermicro.com/products/nfo/Radeon_Instinct.cfm)
- Radeon Instinct™ MI25. Superior performance for deep learning  
<https://www.amd.com/en/graphics/servers-radeon-instinct-deep-learning>
- ROCm (Radeon Open eCcosystem). Open software ecosystem for GPU compute  
<http://rocm-documentation.readthedocs.io/en/latest/index.html>

\* Please check with your Supermicro sales representative and website for compatibility and configuration details.