TRENTON SYSTEMS®

Engineered For Reliability

Dependable Computer System Platforms

BUILT to LAST!

1U

2U

3U

4U

5U

Custom

At Trenton Systems we are passionate about Technology!

We have a long history of solving complex engineering design challenges. We enable you to concentrate on the application, while we make your life easier by delivering a long-life computer system platform. Here's why:

Standard & Custom Systems
✓ Driven to exceed *your* requirements

Responsive System Design Approach
✓ Our engineers are your engineers

Systems With "Lots of Slots"
✓ Ultimate plug-in card support capacity

Stable Motherboard Options
✓ Extended availability and value

Extensive Data Storage Options
✓ Large capacity to limited/secure access

Maximum Hardware Platform Control
✓ Deploy systems with confidence

U.S. Made System Board Options
✓ 5-yr warranty/7-plus years of availability
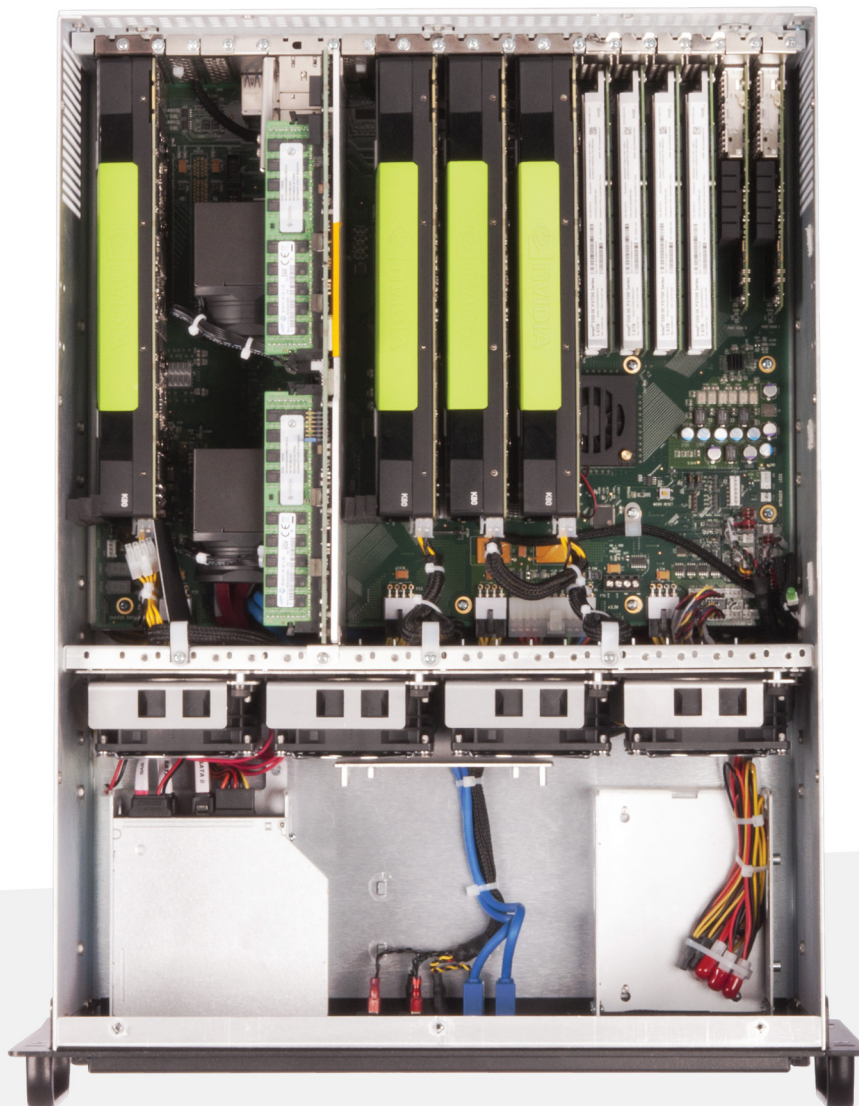
Complete Systems BIOS Control
✓ Maximizes performance & flexibility

Long Life Intel® Processor Options
✓ Latest core technology and capabilities
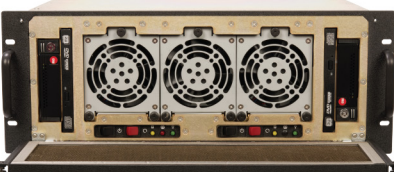
Adaptable Power Supply Options
✓ Meet exact system requirements

5U GP-GPU System Hardware Platform
(TCS5502)

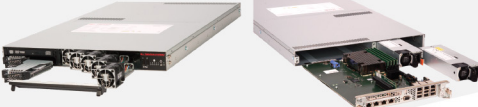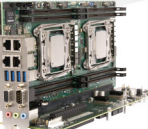# Which Trenton Systems hardware platform is best for my application?

The table below is a quick reference to help you narrow down the available systems options.
Our sales and design engineers will work with you to select your optimum system configuration.

Rack Unit Height	System Architecture				System Attributes
	Modular Blade	HDEC Series	PICMG 1.3	Motherboard	
1U	✔			✔	Component rack density, Modularity
2U	✔	✔	✔	✔	System architecture flexibility, Modular processor blade density
3U				✔	Motherboard architecture, PCI Express expansion
4U		✔	✔		Option card density, Card slot flexibility, local storage, Variety of chassis enclosures
5U	✔	✔	✔		Multi-segment, Single-segment, Large capacity local data storage, Secure network storage options
Custom	✔	✔	✔	✔	Customer defined based on application-driven system platform requirements

Not sure what system architecture to choose?

The following table will help guide your selection.

System Architecture

Legend: Best ◉ | Better ◖ | Good ○ | Average ◉

System Architecture	Performance	Full BIOS Control and Customization	Card Slot Expandability	Ease of Integration	LAN Connectivity	Device I/O and Data Storage Capabilities	Cost
Modular Blade	Best	Best	Good	Best	Best	Best	Good
HDEC Series	Best	Best	Best	Better	Best	Best	Better
PICMG 1.3	Best	Best	Best	Best	Better	Best	Better
Embedded Motherboard	Best	Better	Better	Better	Good	Better	Best

Contact us today to discuss your computer system application requirements.