Tyrone

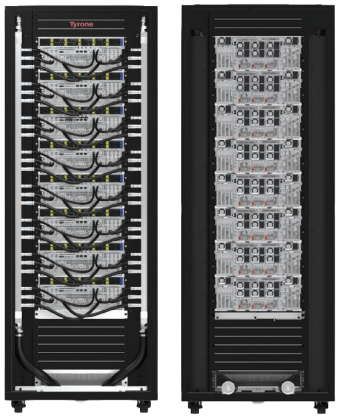
Product Specifications

Tyrone Camarero RDI200A2HG-412 LC

Powering the AI Industrial Revolution with 64 NVIDIA HGX™ B200 GPUs in a high-density, liquid-cooled rack-scale platform.

One Server Family
Every Computing Possibility

From enterprise applications and cloud infrastructure to HPC, AI and data-intensive computing, Tyrone Camarero brings a broad spectrum of server architectures under one family. Built to support diverse processors, accelerators, memory, storage and connectivity requirements, Camarero gives organizations the flexibility to match infrastructure precisely to their workloads - while maintaining enterprise-grade performance, scalability, reliability, manageability and security.



The Camarero Computing Spectrum

CAMARERO

ONE SERVER FAMILY. EVERY COMPUTING POSSIBILITY.

Enterprise Compute
Powering business-critical applications

Virtualization & Cloud
Flexible infrastructure for modern IT environments

Data & Storage
Built for data-intensive and storage-rich workloads

HPC
Accelerating scientific and technical computing

AI & Accelerated Computing
Enabling next-generation intelligent workloads

Applications

Processor Choice
Intel®, AMD & NVIDIA platform applications.

CPU to GPU Flexibility
Configurations aligned to workload needs.

Memory & I/O Scalability
Built to support-growing performance demands.

Flexible Storage Architecture
Options for diverse data requirements.

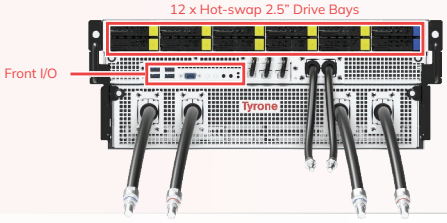
High Speed Networking
Designed for efficient Data Movement

Enterprise Management & Security
Designed for efficient Data Movement

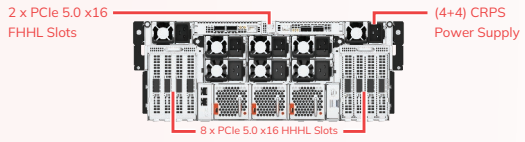
Key features

- High-density AI rack integrating HGX™ B200 based servers with 64 x B200 NVIDIA GPUs in rack
- Massive HBM3e memory enabling large-scale AI training and inference
- Powerful host computing with Dual Intel® Xeon® 5th/4th Gen processors per server
- Ultra-fast networking through 400Gb/s NVIDIA ConnectX®-7 SuperNIC™ interfaces
- Infrastructure acceleration and security with NVIDIA BlueField®-3 DPUs
- Advanced thermal efficiency enabled by direct liquid-cooling architecture
- High-speed storage with PCIe Gen5 NVMe drives for data-intensive workloads
- Fully integrated 48U turnkey AI platform engineered for rapid deployment at scale
- Robust remote monitoring and management via ASPEED AST2600 BMC with IPMI 2.0
- Enterprise-grade security backed by TPM 2.0 trusted platform technology
- Designed for large-scale HPC workloads.

FRONT



REAR



Supported OS

Canonical Ubuntu

Red Hat

Specifications subject to change without notice. Picture used for representation purpose only and the actual product may differ in looks. All other brands and names are the property of their respective owners.

Specifications

Processor	Dual Intel® Xeon® 5th/4th Scalable processors Socket LGA 4677 (E), up to 350W TDP Chipset: Intel® C741
System Memory	CPU Memory: 32 x DDR5 DIMM slots Max. Capacity: 256 GB per DIMM Max. DIMM Frequency: Up to 5600MT/s (1DPC) and 4400MT/s (2DPC) Max. System Memory: 8 TB
GPU	8 x NVIDIA HGX™ B200 GPUs GPU Memory: 1.4 TB HBM3e Memory Total Bandwidth: 62 TB/s
NIC	8 x NVIDIA ConnectX®-7 SuperNIC™ ports (400Gb/s)(Optional) 2 x 1GbE RJ45 LAN ports via Intel® i350
Drive bays	10 x 2.5" Hot-swap PCIe 5.0 x4 NVMe U.2 drives (Front) 2 x 2.5" Hot-swap SATA drives (Front) 2 x 22110/2280 PCIe 3.0 x4 NVMe M.2 ports (Onboard)
Display	1 x DB-15 VGA Port
Management	1 x Dedicated RJ45 management port for IPMI / BMC (Per Server) IPMI 2.0 (ASPEED® AST2600)
Security	TPM 2.0
Expansion Slot	8 x HHHL PCIe5.0 x16 Slots 2 x FHHL PCIe5.0 x16 Slots
Ports	8 x NVIDIA ConnectX®-7 SuperNIC™ Ports (Rear) 1 x IPMI RJ45 Port (Rear, shared with Front) 2 x 1GbE RJ45 Port (Rear, shared with Front) 4 x USB 3.2 Gen1 Port (Front) 1 x VGA DB-15 Port (Front/Rear) 2 x USB 3.2 Gen1 Port (Rear)
Indicators	1 x Power button with LED (Front) 1 x UID Button with LED (Front) 1 x Reset Button (Front)
Cooling System	Cooling Architecture: Liquid Cooled
Power Supply	(4+4) Redundant 3000W 80 PLUS Titanium CRPS Power Supply
Form Factor	48U Rack
Dimensions & Weight:	Product Dimensions : 800mm (W) x 2306mm (H) x 1500mm (D) Packing Dimensions : 1220mm (W) x 2500mm (H) x 1680mm (D) Net Weight: 1638 Kg | Gross Weight: 1930 Kg
Environment	System Operating Temperature: 0°C ~ 35°C Non-operating Temperature: -20°C ~ 70°C Operating Relative Humidity: 8% to 80% (non-condensing) Non-operating Relative Humidity: 8% to 90% (non-condensing)

SKU	Description
RDI200A2HG-412 LC	48U rack with 8 liquid-cooled servers, integrated hose piping, power cords, and redundant 2+2 PDUs. Complete rack solution with integrated power infrastructure, ready for deployment.

Warranty

Warranty period and service level are defined as per the applicable quotation, purchase order or service agreement. Extended warranty and AMC options are available.

Please check www.tyronesystems.com/supports/support_condition.php for the warranty terms.

FOR MORE INFORMATION

To find more about Tyrone camarero products and solutions, visit www.tyronesystems.com/servers/Latest_Generation.php

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