Tyrone®

AI Ready Solutions
Based on NVIDIA® Tesla® GPUs

Maximum Acceleration and Cost Efficiency for AI and HPC Applications

AI will let us accelerate solutions to large-scale problems that would otherwise take months, years, or decades to resolve.

Tyrone's GPU server & workstations are based on the latest NVIDIA GPU platforms that deliver faster overall performance, greater efficiency, and lower energy and cost per unit of computation. Embrace an AI-enabled future with Tyrone's leading GPU-accelerated server platforms for Maximum Acceleration and Cost Efficiency for AI and HPC Applications

NVIDIA Tesla V100 is the computational engine driving the AI revolution and enabling HPC breakthroughs. It is the world's most advanced data center GPU ever built to accelerate AI, HPC, and graphics.Tesla V100 offers the performance of up to 100 CPUs in a single GPU—enabling data scientists, researchers, and engineers to tackle challenges that were once thought impossible.

Tyrone AI solutions NVIDIA GPU provides :-
• Scalable performance for widest variety of AI & other datacenter workloads – including machine learning.
• Designed from the ground up for data-intensive applications: high-performance computing, analytics and artificial intelligence.
• Make AI adoption faster, simpler & scalable with purpose-built Servers & Workstations even for your most complex Workloads.

SPECIFICATIONS

	Tesla V100 PCIe	Tesla V100 SXM2
GPU Architecture	NVIDIA Volta	
NVIDIA Tensor Cores	640	
NVIDIA CUDA® Cores	5,120	
Double-Precision Performance	7 TFLOPS	7.8 TFLOPS
Single-Precision Performance	14 TFLOPS	15.7 TFLOPS
Tensor Performance	112 TFLOPS	125 TFLOPS
GPU Memory	32GB /16GB HBM2	
Memory Bandwidth	900GB/sec	
ECC	Yes	
Interconnect Bandwidth	32GB/sec	300GB/sec
System Interface	PCIe Gen3	NVIDIA NVLink
Form Factor	PCIe Full Height/Length	SXM2
Max Power Comsumption	250 W	300 W
Thermal Solution	Passive	
Compute APIs	CUDA, DirectCompute, OpenCL,™OpenACC	

PERFORMANCE with NVIDIA GPU Boost™

DOUBLE-PRECISION
7.8 TFLOPS

SINGLE-PRECISION
15.7 TFLOPS

DEEP LEARNING
125 TFLOPS

Up to
65%
Lower total cost of ownership (TCO)

Tyrone AI ready systems based on NVIDIA® Tesla® GPUs

Model	DS400TG-12RT	DS400TG-14R	DS400TOG-424RT2	DS400TGH-28R	SS400TA-48TL	DS400TA-33L
GPU	4 GPUs	3 GPU's	8 GPU's	6 GPU's	4 GPUs	2 GPUs
Processor	2nd Generation Intel® Xeon® Scalable Processors Dual Socket P (LGA 3647)	2nd Generation Intel® Xeon® Scalable Processors Dual Socket P (LGA 3647)	2nd Generation Intel® Xeon® Scalable Processors Dual Socket P (LGA 3647)	2nd Generation Intel® Xeon® Scalable Processors Dual Socket P (LGA 3647)	2nd Generation Intel® Xeon® Scalable Processors Dual Socket P (LGA 3647)	2nd Generation Intel® Xeon® Scalable Processors Dual Socket P (LGA 3647)
Chipset	Intel® C621 chipset	Intel® C621 chipset	Intel® C622 chipset	Intel® C621 chipset	Intel® C621 chipset	Intel® C621 chipset
Memory Capacity	Up to 3TB 3DS ECC RDIMM, DDR4-2933MHz Up to 3TB 3DS ECC LRDIMM, DDR4-2933MHz, in 12 DIMM slots	Up to 4TB 3DS ECC RDIMM, DDR4-2933MHz; Up to 4TB 3DS ECC LRDIMM, DDR4-2933MHz, in 16 DIMM slots	Up to 6TB 3DS ECC RDIMM, DDR4-2933MHz; Up to 6TB 3DS ECC LRDIMM, DDR4-2933MHz, in 24 DIMM slots	Up to 4TB 3DS ECC RDIMM, DDR4-2933MHz; Up to 4TB 3DS ECC LRDIMM, DDR4-2933MHz, in 16 DIMM slots	Up to 3TB 3DS ECC RDIMM, DDR4-2933MHz; Up to 2TB 3DS ECC LRDIMM, DDR4-2933MHz Or 3TB DCPMM, DDR4-2666MHz, in 12 DIMM slots	Up to 4TB 3DS ECC RDIMM, DDR4-2933 MHz; Up to 4TB 3DS ECC LRDIMM, DDR4-2933MHz, in 16 DIMM slots
PCI-Express	4 PCI-E 3.0 x16 (FHFL) slots, 2 PCI-E 3.0 x16 (LP) slots	4 PCI-E 3.0 x16 (FHFL) slots, 1 PCI-E 3.0 x8 (in x16, LP) slots	11 PCI-E 3.0 x16 (FH, FL) slots,1 PCI-E 3.0 x8 (FH, FL in x16 slot)	6 PCI-E 3.0 x16 slots, 1 PCI-E 3.0 x8 (in x16) slots	4 PCI-E 3.0 x16,3 PCI-E 3.0 x8 (in x16 slot)	4 PCI-E 3.0 x16,2 PCI-E 3.0 x8,M.2,M.2
SATA	SATA3 (6Gbps) with RAID 0, 1, 5, 10	SATA3 (6Gbps) with RAID 0, 1, 5, 10	SATA3 (6Gbps) with RAID 0, 1, 5, 10	SATA3 (6Gbps) with RAID 0, 1, 5, 10	SATA3 (6Gbps) with RAID 0, 1, 5, 10	SATA3 (6Gbps) with RAID 0, 1, 5, 10
Raid Card	Optional	Optional	Optional	Optional	Optional	Optional
Optical Drive	None	None	None	None	None	None
HDD bays	2 Hot-swap 2.5" SAS/SATA drive bays, 2 Internal 2.5" drive bays	4 Hot-swap 2.5" drive bays	Up to 24 Hot-swap 2.5" SAS/SATA drive bays,8x 2.5" drives supported natively	10 Hot-swap 2.5" drive bays	4 x 3.5"/2.5" HDDs/SSDs	1 x 3.5",2 x 2.5"
Power Supply	2000W Redundant Power Supplies Titanium Level (96%)	1600W Redundant Power Supplies Platinum Level (94%)	2000W Redundant Power Supplies with PMBus	2000W Redundant Power Supplies Platinum Level (94%)	1200/2000W Single Power Supply	500/1200W Single Power Supply
Form Factor	1U Rackmount	1U Rackmount	4U Rackmount	2U Rackmount	Full Tower	Mid Tower

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with your smart phone & jump start your product configuration

Tyrone