




KRONOS

Performance Optimized Workstations



Value Proposition

-  Improved performance over existing customer systems to yield an ROI within 1 year.
-  **Performance Target:** we have seen a minimum of 40% improvement using Synthetic Benchmark and Real User Tests over existing customer system.
-  **Software Target:** CAD (Computer Aided Design), CAE (Computer Aided Engineering) pre and post processing.

Target Markets

- Aerospace & Defense
- AEC
- Energy Process & Utilities
- Transportation and Mobility
- Entertainment

*CIARA is already selling into these markets with success.

- Consumer Goods
- Consumer Packaged Goods
- Industrial Equipment
- Life Sciences
- Marine & Offshore
- Natural Resources
- Financial & Business Services
- High-Tech

1

Accelerate the pace of your project and allows you to go to market earlier.

2

Reduction of TCO - Absorb any peak workload without having to hire new resources.

3

Improved efficiency through achieving more simulation with the same amount of licenses.

4

Reduction of cost by using same amount of simulation with less required licenses.

Manufacturing

1

Optimize CNC simulations – KRONOS workstations are recognized as the fastest systems by **NCSIMUL** and **VERICUT**

2

KRONOS has been recognized by major manufacturing customers as being one of the best systems for digital mock-up review

3

Optimized for **assembly simulations** (e.g. **Delmia**)

Media & Entertainment

1

Accelerate media & entertainment **creation and rendering tasks.**

2

Work in **fully rendered** environment.

3

Optimized for the most intensive professional **3D Modeling software.**

KRONOS 640-G3



Technical Specs



Intel® Core™ **i7-6700K** Processor
Extreme Edition (**4 cores**, 8 MB L3 cache)

Latest generation closed loop high
performance liquid cooling

5 SATA hard drive bays



Up to (2) NVIDIA Tesla Kepler Family*

Up to (2) NVIDIA Quadro Family*
from K420 to M5000

850W High Efficiency Platinum PSU

*Add-on cards are subject to prior validation

** **NO IPMI on this system**

640-G3

Performance Specs



Mid Tower chassis
with improved thermals



Intel® Core™ i7-6700K Processor
Accelerated up to **4.7 GHz** on **4 cores**

Efficient noise reduction with **32-35db**
at full load

Up to 64GB DDR4 **2666 MHz** UDIMM

Intel® **NVME 750** (Up to 5Gbps)

640-G3

KRONOS 740-G3



Technical Specs



Intel® Core™ **i7-5820K** Processor
Extreme Edition (**6 cores**, 15 MB L3 cache)

Latest generation closed loop high
performance liquid cooling

5 SATA hard drive bays

(BMC) - IPMI 2.0 Compliant

Up to (2) NVIDIA Tesla Kepler Family*

Up to (2) NVIDIA Quadro Family*
from K420 to M6000

850W High Efficiency Platinum PSU

*Add-on cards are subject to prior validation

740-G3

Performance Specs



Full Tower chassis
with improved thermals



Intel® Core™ i7-5820K Processor
Accelerated up to **4.4 GHz** on **6 cores**

Efficient noise reduction with **32-35db**
at full load

Up to 64GB DDR4 **2666 MHz** UDIMM

Intel® **NVME 750** (Up to 5Gbps)

740-G3

KRONOS 840-G3



Technical Specs



Intel® Core™ **i7-5960X** Processor
Extreme Edition (**8 cores**, 20 MB L3 cache)

Latest generation closed loop high
performance liquid cooling

(BMC) - IPMI 2.0 Compliant

Up to (2) NVIDIA Tesla Kepler Family*

Up to (2) NVIDIA Quadro Family*
from K420 to M6000

1200W High Efficiency Platinum PSU

*Add-on cards are subject to prior validation

840-G3

Performance Specs



Full Tower chassis
with improved thermals



Intel® Core™ i7-5960X Processor
Accelerated up to **4.4 GHz** on **8 cores**
Cache speed: **38 39**

Efficient noise reduction with **32-35db**
at full load

Up to 64GB DDR4 **2666 MHz** UDIMM

Intel® **NVME 750** (Up to 5Gbps)

840-G3