



## FEATURES

- 2, 4 or 8 Processor Configurations
- 64-bit Performance
- True SMP Architecture
- Expandable with Compro's Reflective Memory System
- Unparalleled Determinism
- 32-bit and 64-bit Applications can Co-Exist on the Same System

## BENEFITS

- Immediate Availability
- True 64-bit Calculations at Affordable Prices
- Absolute Scalability

## RT-Lightning™

### *Performance, Reliability and Scalability*

Compro's RT-Lightning systems are the world's highest performing 2P, 4P and 8P real-time systems available today. Based on second-generation AMD Opteron dual/quad core processors, RT-Lightning delivers unsurpassed real-time 32-bit performance today *and* enables transition to 64-bit computing at your own pace.

As your mission critical computing needs evolve, there's only one solution that allows growth into 64-bit applications without sacrificing legacy compatibility and performance with your existing x86 technology investment – RT-Lightning systems.

RT-Lightning systems, when coupled with our unique Real-Time Environment (RTE) software and industry expertise delivering real-time deterministic solutions for time-critical applications, provide uncompromising performance, reliability, and scalability.

### *Architecture*

RT-Lightning systems have demonstrated not only record breaking performance, but also exhibit a binary compatibility plan for advancements well into the 21st century. This dynamic architecture will remain well ahead of the competition and the market's ever-increasing demand for additional performance. Your upgrade path and the technology insertion required to host insatiable applications for the future is ensured.

Compro's RT-Lightning architecture incorporates our RTE software, our Reflective Memory System for high-speed communications, and the computing power of AMD Opteron-based systems to form a unique and exciting solution. RT-Lightning provides pure linear scalability, determinism, and I/O bandwidth unmatched in the industry.

RT-Lightning clustered nodes can be added independently with zero-impact to the original computational environment, incrementally expanding to meet future application requirements. This provides a "balanced power" configuration where processing capacity and I/O bandwidth are tuned to meet specific real-time requirements. In a technical world that has seen "order-of-magnitude" processor performance increases yearly and little progress in open bus technology, RT-Lightning clusters guarantee balanced system growth.



**Corporate Headquarters**

Compro Computer Services, Inc.  
 105 East Drive  
 Melbourne, Florida 32904  
 U.S.A.

Telephone: (800) 936-2673  
 WWW URL: <http://www.compro.net>  
 Email: [info@compro.net](mailto:info@compro.net)

**International**

Belgium  
 Brazil  
 England  
 France  
 Germany  
 Italy  
 Japan  
 Spain

Compro, the Compro logo, CONCEPT/32, and other branded items are trademarks or registered trademarks of Compro Computer Services, Inc.

Ethernet is a registered trademark of Xerox Corporation.

HP is a registered trademark of the Hewlett Packard Company.

Solaris is a registered trademark of Sun Microsystems, Inc.

Windows XP and Windows NT are registered trademarks of Microsoft Corporation.

All other product, service, and company names are trademarks or registered trademarks of their respective owners.

Compro products are subject to a continuing program of enhancement and refinement, and the specifications contained herein are therefore subject to change without notice.

©2007 Compro Computer Services Inc.  
 Pub. No. 204-312-03

Most mission-critical applications demand “non-stop” environments to ensure a costly mission does not have to be repeated. In the past, this capability was price-prohibitive because of specialized proprietary hardware.

Compro’s RT-Lightning cluster architecture and software provides availability, performance, and failover that exceeds the most stringent mission-critical application requirements, at a fraction of the cost of specialized systems. This capability includes remote dual copy to ensure mission-critical data redundancy and facilitates the latest in disaster recovery techniques.

**Specifications**



<ul style="list-style-type: none"> <li>• SUSE Linux Software Real Time Operating System</li> <li>• Opteron processors</li> <li>• Supports up to 32 GB Registered DDR2/667 RAM</li> <li>• Tightly-Coupled SMP Architecture</li> <li>• Five Full Size PCI Slots</li> <li>• Onboard SCSI Option</li> <li>• Dual Broadcom Gigabit Ethernet Controllers Onboard</li> </ul>	<ul style="list-style-type: none"> <li>• 4U Rack-Mount Form Factor Server or Tower</li> <li>• Complete Line of PCI I/O Interfaces</li> <li>• Compro’s Real Time Option Module</li> <li>• Certified Debugging ToolKit</li> <li>• Four Hot Swap SATA Drives</li> <li>• Dimensions: (4U) 5.25” H x 19” W x 28” D</li> </ul>
---	--

**Processor Independence**

By accommodating a variety of processors and system architectures, Compro’s RT-Lightning cluster provides a “processor-independent” topology that offers a convenient path for existing systems to accommodate 21<sup>st</sup> century applications. This, added to Compro’s extensive suite of real-time software tools and OS features and functions, creates a real-time system impossible to beat today and provides the vehicle for technology insertion designed to surpass any future application requirements without the pain and expense of a “fork-lift upgrade.”

Whether you require a new system to host a new application or a logical and incremental upgrade to expand the power of your existing system, Compro’s RT-Lightning cluster architecture provides the best solution today and ensures meeting future requirements.