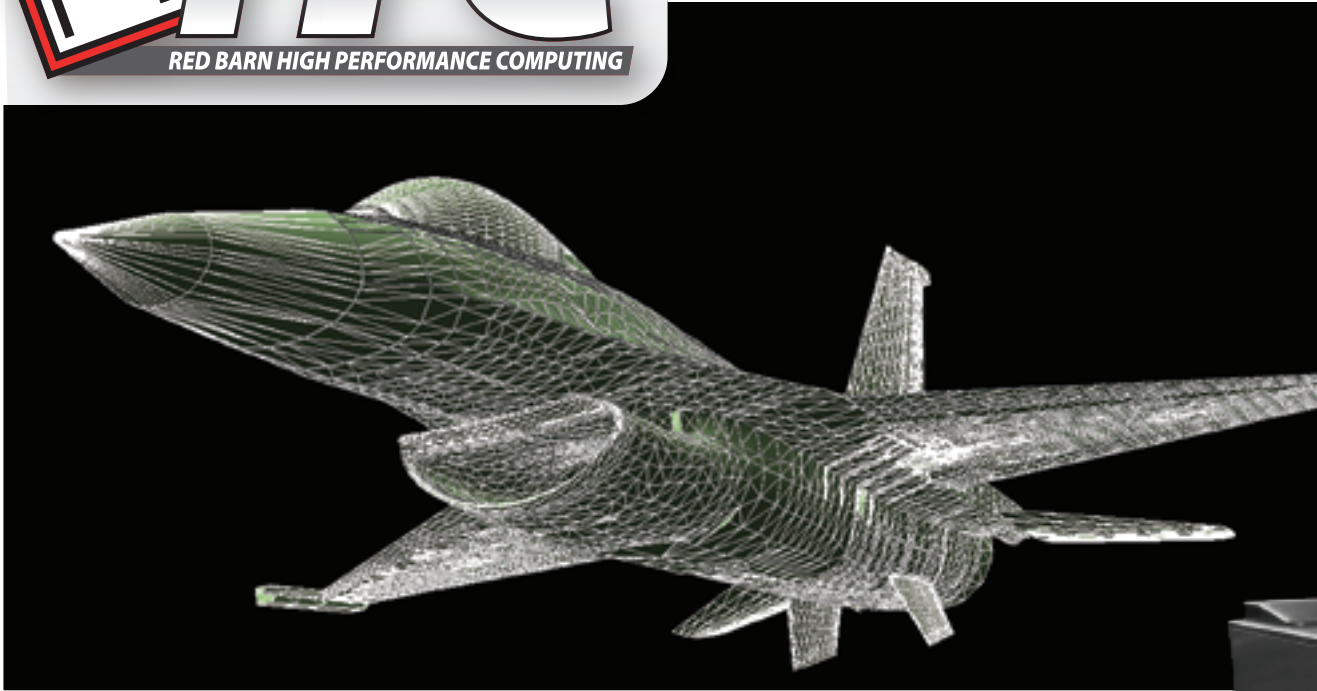


# Performance Workstations



## The Workstation - Perfected

### Equipped for today. Prepared for tomorrow

Where can you get a high-end solution designed for professionals who require speed, high performance and efficiency when dealing with demanding compute and memory intensive applications? One that combines the latest in processing capability, advancements in memory, power and I/O technologies, delivering a validated optimized platform that meets the demands of multi-core processing, all in a quiet package. The answer is clear - Red Barn.

Whether your application requires large amounts of memory, processing power or graphical rendering capabilities, Red Barn can work with you to design workstations optimized for your environment and its needs.

[sales@redbarncomputers.com](mailto:sales@redbarncomputers.com)  
[www.RedBarnComputers.com](http://www.RedBarnComputers.com)  
1-800-796-8809

### Features

- Intel Xeon (single, dual or quad core) or AMD (single, dual or quad core) Opteron processor platforms (2-way, 4-way, 8-way)
- Industry standard, non proprietary hardware
- Various form factors available
- Redundant and hotswappable core components such as HDDs, PSUs and Fans available
- Support for Windows or Linux OS Dual-Boot options available
- Custom exterior logos





# Technical Specification

## Performance Workstation Sample Configuration

<b>Processors</b>	Single $\mu$ PGA 940-pin ZIF sockets (AM2) Supports AM2 Athlon64 X2 / Opteron™ 1000 series processors
<b>Mainboard</b>	Tyan Tomcat n3400B (S2925)
<b>Chipset</b>	NVIDIA nForce Pro 3400; SMSC DME5017
<b>Memory</b>	Dual channel memory bus Up to four (4) 240-pin DDR2 DIMMs Up to 8GB of unbuffered 533/667/800MHz
<b>Storage Controller</b>	(6) SATA2 ports running at 3.0 Gb/s supported NV RAID 0, 1, 0+1, 5 and JBOD support
<b>Drive Bays</b>	1 x 3.5" HDD bays (exposed) 3 x 5.25" Optical bays 5 x 3.5" HDD bays 1 x 3.5" FDD bays Hot Swap SATA bays available
<b>Graphics</b>	Two (2) NVIDIA 8800 GTX Configured for SLI Gen-Locking available
<b>Network Interface</b>	Two nForce Pro 3400 integrated MAC w/ Marvell 88E11166-CAA Gigabit Ethernet PHY
<b>I/O Ports</b>	One Keyboard & One PS/2 Mouse ports Four USB 2.0 ports One 9-pin UART Serial port One 15-pin VGA port
<b>Expansion Slots</b>	Two x16 PCI Express slot (SLI) One x1 PCI Express slot (x1 signal) Three PCI v2.3 32-bit 33Mhz Slots
<b>Power Supply</b>	PC Power & Cooling Silencer 750 Quad 750W, 24-pin, 8-pin, 4-pin, Quad PCI-E
<b>Dimensions</b>	D 21" x W 17" x H 7" (4U)
<b>Server Management</b>	SMSC DME5017 w/ hardware monitoring Temperature & voltage monitoring Watchdog timer support Port 80 code display LED



### About Red Barn Computers

Red Barn Technology Group, Inc (RBTG) was founded in 1996 and has developed a strong dedication to High Performance/Productivity Computing over the past decade. RBTG specializes in Multi-Processor Systems, for adaptation in Compute Clusters, Stand Alone Workstations, Servers and Storage Systems. Our open source non-proprietary philosophy allows RBTG to consistently provide outstanding value and quality, delivered with enthusiasm and unparalleled customer service.