



# VCS455-V8 8 TERAFLUPS!! FASTEST WORKSTATION IN THE UNIVERSE



- Unique workstation form factor
- Extreme Performance Accelerated Workstation
- Up to 8 Nvidia™ C1060 Teslas for extreme compute intensive workloads
- 6 Nvidia C1060 Teslas + 2 Nvidia QUADRO FX5800's for extreme visual computing workloads
- DUAL INTEL® XEON 5500
- Up to 144gb memory with lifetime warranty
- 2 terabytes SATA internal disk
- 2 1200 watt high efficiency power supplies
- Extreme ease of serviceability
- Configure now: [www.velocitymicro.com/V8](http://www.velocitymicro.com/V8)
- Starting at \$12,750

James River Technical, Inc  
4439 Cox Road  
Richmond, Virginia 23060  
Jeff Fettig 404-550-1081  
Joseph Rittenbury 804-521-3050  
[vsc@jrte.com](http://vsc@jrte.com)

## TESLASYSTEMS

The VSC455-V8 delivers the fastest possible time to reaching Insight, Discovery, and the Decision Point. The result is a sharper competitive edge and rapid return on investment.

Configure Now at [www.VelocityMicro.com/V8](http://www.VelocityMicro.com/V8)

### Technical Specifications

Enclosure	<ul style="list-style-type: none"> <li>• Workstation Tower</li> <li>• Dimensions : H 6.93" x W 17.24" x D 27.95" (176mm x 438mm x 710mm)</li> </ul>	Video	<ul style="list-style-type: none"> <li>• ASPEED AST2050 integrated VGA controller</li> <li>• Max 1600x1200@60Hz 16bpp</li> </ul>
CPU	<ul style="list-style-type: none"> <li>• Dual 1366-pin LGA Sockets</li> <li>• Supports up to two Intel® Xeon® Processors 5500 series</li> </ul>	Power Supply	<ul style="list-style-type: none"> <li>• 2 1200W high-efficiency power supplies</li> <li>• Redundancy option</li> </ul>
QPI	<ul style="list-style-type: none"> <li>• up to 6.4 GT/s</li> </ul>	System Cooling	<ul style="list-style-type: none"> <li>• 3 system cooling fans</li> </ul>
Memory	<ul style="list-style-type: none"> <li>• 18 240-pin DIMM sockets</li> <li>• 6 channels (3 channels per CPU)</li> <li>• Supports DDR3 1333 / 1066 / 800MHz ECC Registered memory</li> <li>• Supports up to 3 dual-rank or 2 quad-rank</li> <li>• Supports up to 144GB max w/ dual rank RDIMMs</li> </ul>	Front Panel	<b>I/O</b> <ul style="list-style-type: none"> <li>• 2 USB 2.0 ports</li> </ul> <b>Buttons</b> <ul style="list-style-type: none"> <li>• Power switch</li> <li>• System Reset button</li> </ul> <b>LEDs</b> <ul style="list-style-type: none"> <li>• Power LED</li> <li>• 2 LAN LEDs</li> <li>• Warning LED</li> </ul>
Chipset	<ul style="list-style-type: none"> <li>• 2 Intel® 5520 Tylersburg-36D IOH chips</li> <li>• ICH10R Southbridge</li> <li>• Winbond W83627DHG SIO</li> <li>• Onboard AST2050 BMC integrated VGA controller</li> <li>• 4 PLX PEX8647 PCI-E Gen2 switches</li> </ul>	Back I/O Ports	<ul style="list-style-type: none"> <li>• 4 USB 2.0 ports</li> <li>• 4 RJ-45 connectors</li> <li>• VGA connector</li> </ul>
I/O Expansion	<ul style="list-style-type: none"> <li>• 8 PCI-E 2.0 x16 slots (w/ x16 signal from IOHs, via PEX8647 switches)</li> </ul>	Management	<ul style="list-style-type: none"> <li>• Automatic fan speed control</li> <li>• Fan &amp; PSU failure, over temperature, and voltage monitoring</li> <li>• Onboard KVM-over-IP chip</li> </ul>
Storage	<ul style="list-style-type: none"> <li>• 2x Internal 2.5" SATA drives</li> <li>• RAID 0, 1 support</li> </ul>	BIOS	<ul style="list-style-type: none"> <li>• AMI 2MB SPI Flash ROM</li> <li>• Supports ACPI 2.0</li> <li>• Serial Console Redirect</li> <li>• PXE via Ethernet, USB device boot</li> <li>• PnP, DMI 2.0, WfM 2.0 Power Management</li> </ul>
Networking	<ul style="list-style-type: none"> <li>• 4 Intel 82574L GbE NICs operating at independent PCI-E x1 interface</li> <li>• 1 RJ-45 10/100 LAN port from on-board KVM-over-IP server management</li> </ul>		

