V3 Gaming Move

If you've ever lugged a 40-pound, full-sized tower to a LAN party, you know how much easier it'd be to travel with a system that you can comfortably carry in one arm. V3 Gaming's Move is designed to fit the needs of LAN partygoers that need a lightweight system (11.58 pounds) that isn't short on performance.

The Move is built inside of a Silverstone Sugo SG05, and compared to previous Sugo models, the SG05 is around half the total size—measuring roughly 6.92 x 8.74 x 10.87 inches (HxWxD). The length of the SG05 allowed V3 Gaming to include an Nvidia GeForce GTX 460, and the graphics card's fan aligns directly with the mesh opening on the case's side panel. To help keep the processor's heat from affecting system components, V3 Gaming installed an Asetek LCLC with a 120mm radiator at the front of the case. The 120mm, 1,200rpm fan in the front chassis worked well enough that V3 Gaming was able to overclock the Intel Pentium G6950 dual-core processor from 2.8MHz to 3.6GHz.

V3 Gaming tells us that the Move is "GPU-optimized" in that the GPU costs twice as much as the system's processor. The Pentium G6950 is the most affordable Clarkdale processor, and even at 3.6GHz, the lack of Hyper-Threading, Turbo support, and VT-d mean the Move sent to us isn't going to blow away benchmark records. That being said, the Move still offers suitable gaming performance at 1,900 x 1,200, and the G6950 helps to keep the system affordable. Of course, V3 Gaming allows you to change the default configuration to a more feature-filled 1156 processor, if your budget allows.

The Move sent to us also featured 4GB of Patriot Viper II DDR3-1600 memory, a 320GB Western Digital Scorpio Black, and a 10X BD-ROM and 8X DVD-RW combo drive. The limited interior space offered V3 Gaming nowhere to hide the cables, but the builder did a good job of coupling the power and I/O cables to sides where the cables wouldn't block the passive airflow from the top and side mesh openings.

Portability comes at a performance cost, and even with a GeForce GTX 460, the Move could not produce 30fps with our test games set at 2,560 x 1,600. The good news is that bumping resolutions down to 1,920 x 1,080 gave us frame rates around 35 to 40fps, while 1,600 x 900 delivered 70 to 80fps. Benchmark results from our SiSoftware Sandra Lite tests showed that processor is the slow cog here, but V3 lets you configure the Move with any LGA1156 CPU. The 11.88GBps and 12GBps Memory Bandwidth scores were a little lower than we thought we'd see from 1,600MHz frequency memory.

When you consider the portability of the Move, it's certainly an appealing option for LAN party regulars. Its power may not be enough for pure performance enthusiasts, but you'll get the last laugh when it's time to pack up and take your PCs to the car. ▲

by Nathan Lake

Move
$1,199 (as tested)
V3 Gaming
www.v3gamingpc.com

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Benchmark Results	V3 Gaming Move
3DMark Vantage	
Overall	10165
GPU Score	11540
GPU1 (fps)	35.59
GPU2 (fps)	31.96
CPU Score	7489
CPU1 (Plans/s)	1030.3
CPU2 (Steps/s)	10.08
PCMark Vantage Pro 1.0	
Overall	6183
Memories	5348
TV And Movies	3629
Gaming	5533
Music 6244	
Communications	6274
Productivity	5132
HDD	3418
SiSoft Sandra 2010 Lite	
Processor Arithmetic	
Dhrystone ALU (GIPS)	37.77
Whetstone iSSE3 (GFLOPS)	20.76
Processor Multi-Media	
Integer x16 iSSE4.2 (Mpixels/s)	63.65
Floating Point x8 iSSSE3 (Mpixels/s)	59.9
Double x4 iSSE2 (Mpixles/s)	30.42
Memory Bandwidth	
Integer Buffered iSSE2 (GBps)	11.88
Floating-Point Buffered iSSE2 (GBps)	12
Cinebench 11.5	
CPU*	2.3
POV-Ray 3.7 Beta**	1780.28
Dirt 2 (8X MSAA)	7.2
FarCry 2 (8XAA)	26.18
S.T.A.L.K.E.R. Call Of Pripyat	5.8

** points*
*** pixels per second*

Games tested at 2,560 x 1,600.

Specs: CPU: Intel Pentium G6940 @ 3.6GHz; GPU: Nvidia GeForce GTX 460; RAM: 4GB Patriot Viper II DDR3-1600; Motherboard: Zotac H55-ITX WiFi Mini-ITX; Storage: 320GB Western Digital Scorpio Black; PSU: Silverstone ST45SF Modular; OS: Windows 7 Ultimate 64-bit

CPU RANKING ○ 0 = ABSOLUTELY WORTHLESS | ●●◖ 2.5 = ABSOLUTELY AVERAGE | ●●●●● 5 = ABSOLUTELY PERFECT