

Image Generator (IG)

Quicksilver[®] ATX 6000

Affordable Reality

The Quicksilver ATX 6000 creates reality—at an affordable cost. Quantum3D's most cost-effective Image Generator (IG), the ATX 6000 is ideally suited for entry-level 30 and 60 Hz visual simulation applications. Commercial-off-the-shelf (COTS) and open architecture, the Quicksilver platform features a unique, convertible chassis that is configurable as a desk-side or rack-mount system.



Entry-Level Price, Impressive Visuals

The Quicksilver ATX 6000 is ideally suited for 30 and 60 Hz military and civilian visual simulation and training applications—for aeronautics, ground vehicles, maritime, and other applications.

Additionally, Quicksilver serves as a convenient and effective development platform for advanced IG solutions, including the Independence IDX 6000 and IDX 6000ER.

Product Characteristics

- Commercial-off-the-shelf (COTS), high performance, open architecture, enterprise-class PC-based image generator
- Low cost
- Flexible configurations, available in desk-side or 19" rack-mountable configurations
- 4U chassis with high airflow and low-noise cooling
- Server-class motherboard
- 16-lane PCI-Express NVIDIA[®] Quadro FX[®] 5800 GPUs provide industry-leading performance

Standard Configuration

- **Operating System** – Microsoft[®] Windows[®] XP Pro
- **Processors** – 2 x Intel Xeon[®] X5550 2.66 GHz dual-core with 8MB L2 cache
- **Memory** – 24GB ECC
- **Removable Disk Drives** – 8 x 1TB SATA-II removable disk drives, configured as 1 x RAID-1 mirrored subsystem and 1 x Raid-5 subsystem
- **Graphics Subsystem** – Quadro FX 5800 with 4 GB GDDR3 memory
- **Drive** – Blu-Ray read/write offline storage

Quicksilver ATX 6000 Technical Specifications:

<p>Chassis Options</p> <ul style="list-style-type: none"> • Desk-side or 4U rack-mount • Retention mechanism for add-in boards and I/O cables <p>Operating Systems</p> <ul style="list-style-type: none"> • Microsoft Windows XP Professional • Consult factory for other options <p>Processors</p> <ul style="list-style-type: none"> • 2 x Intel Xeon® X5550 2.66 GHz Quad-core with 8MB L2 cache <p>Motherboard and PCI/O</p> <ul style="list-style-type: none"> • Server-class motherboard with Intel® 5520 chipset • 24 GB 1333 MHz ECC, REG, DDR3 DRAM • Dual IEEE 802.3 10/100/1000 Ethernet interfaces • On-Board PC I/O: 2 x SIO, 2 x USB 2.0 (front), 2 x USB 2.0 (rear), PS2 Mouse & Keyboard • Realtek 7.1 HD Audio • Seven PCI expansion slots, which includes two x16 PCI Express slots, one x4 PCI-Express slot (in a x8 slot), three 133MHz PCI-X slots available <p>Graphics Subsystems</p> <ul style="list-style-type: none"> • Quadro FX 5800 with 4 GB GDDR3 memory • Quadro FX dual-link DVI capability supports up to 2560 x 1600 with 60 Hz refresh • Quad-buffered stereo support • Shader Model 4.0 • Compliant with OpenGL® 3.1 and Microsoft DirectX® 1.0 <p>Power Supply</p> <ul style="list-style-type: none"> • 865 W, 100-240 VAC, 50-60 Hz power supply w/PFC 	<p>Storage and Peripherals</p> <ul style="list-style-type: none"> • Up to 8 x 1TB SATA-II removable disk drives • RAID-1 subsystems (2 drives) and RAID-5 subsystem (6 drives) • Blu-Ray read/write drive <p>Bundled Software Options</p> <ul style="list-style-type: none"> • Mantis® Real-Time Scene Management Software & Select Options • GeoScapeSE® Synthetic Environments • Facets® Real-Time 3D Models • IData® Real-Time Visual Computing Framework • OpenGVS® API <p>Environmental and Dimensions</p> <ul style="list-style-type: none"> • Operating Temperature: 10° to 35° C (50° to 95° F) • Non-operating Temperature: -40° to 70° C (-40° to 158° F) • Operating Relative Humidity: 8% to 90% (non-condensing) • Non-operating Relative Humidity: 5% to 95% (non-condensing) • Dimensions: 4U 7" W x 17.1" H x 25.5" D • Shipping Container Dimensions: 25.25" W x 33.25 H" x 15" D • Weight: 60 Lbs • Shipping Weight: 65 Lbs <p>Outputs</p> <ul style="list-style-type: none"> • 1 year return-to-factory standard • Extended warranty options available <p>Certifications</p> <ul style="list-style-type: none"> • CE, FCC level A, ETL and UL
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Which Quantum3D Visual Computing Platform is right for you?

Independence IDX 6000 (ER)	Quicksilver ATX 6000
<p>The Independence IDX 6000 ER is the most powerful and scalable image generator on the market. It delivers the highest possible performance, fidelity, features, and overall value. Highly customizable for each application, Independence still comes in a 1U rack space—20% the size of many competitive systems.</p>	<p>The Quicksilver ATX 6000 is ideal for entry-level 30 and 60 Hz visual simulation applications. For cost-sensitive applications, Quicksilver delivers military and civilian visual simulation and training—as well as serving as a development platform for use with advanced IG solutions, including Quantum3D's Independence line.</p>