

The Ultimate Gaming Motherboard: Under the Hood of the ASUS Maximus Formula x38

Just as your car would never be able to run without a transmission, the power and functionality of a computer depends primarily on the motherboard. Whether you're building your own CPU or refurbishing an existing one, the selection of a new motherboard is critical to the success of the machine. Among other things, it houses all of the hard drives, the memory, and the CPU (central processing unit) of the computer.

Until the release of the ASUS Maximus Formula, online gaming enthusiasts were forced to shell out big bucks for hardware that would deliver all of the high-performance features, networking capabilities, and access points they needed. But with the Intel-based ASUS Maximus Formula x38, a system that many are heralding as the Ultimate Gaming Motherboard, gamers are provided with an affordable solution that focuses on the specific features and requirements that are most important to them, without paying for extras (such as DDR3 memory modules) that they don't really need.

Besides a more streamlined and specialized features package, ASUS Maximus Formula Intel x38 reviews have heralded a wide array of offerings, including (but not limited to) the following:

Unparalleled Overclocking Protection

This Socket 775 overclocking motherboard offers a vast list of overclocking features, including an extreme tweaker for fine-tuning the CPU for optimized performance, 2-phase DDR2, load line calibration for reliable stability, an array of intelligent overclocking tools, and built-in overclocking protection.

High-performance Memory

The ASUS Maximus Formula boasts dual-channel DDR2 memory, an enhanced and more efficient version of its predecessor, DDR. One of the main factors that's prompted gaming enthusiasts to label the x38 the Ultimate Gaming Motherboard, DDR2 memory is renowned for displaying high-caliber graphics.

Pcie 2.0 Bandwidth

The ASUS supports the latest Pcie 2.0 devices for increased speed and bandwidth, improving upon processing time and performance.

The Next Generation Chipset

The ASUS Maximus Formula includes the Intel® X38/ICH9R Chipset, designed for the ultimate in high-performance CPU processing. Enhanced memory controller improves upon the one in Intel's P35 chipset, supporting CPU processing speeds of up to 1333MHz with Fast Memory Access Technology. The ASUS Maximus Formula x38 supports bus speeds at increments of 800, 1066, 1333, and 1600 MHz, and boasts an impressive total of 32 PCI Express lanes available to the chipset (there were only 20 in the i975x). What's more, the x38 features PCI Express 2.0 slots, an upgrade

from the 1.1 slots in lesser motherboards, increasing bandwidth and processing speed.

New LCD Poster

Now, you can be immediately—and clearly—informed of system problems with the ASUS Maximus Formula's built-in LCD poster notification system. Critical outages and failures are reported via the external display screen, and won't leave you in the dark by serving up only cryptic messaging.

Bundled Software

The Ultimate Gaming Motherboard arrives with a suite of high-performance software, including two 3-D gaming applications (S.T.A.L.K.E.R. and 3D Mark) as well as complete virus and spyware protection.

It's easy to see why every Asus Maximus Formula review we've seen has praised its enhanced stability and memory, versatile connectivity options, and unparalleled overclocking features.