INTEL B560 GAMING PC

CYBERPOWER INFINITY X115 GT / £1,299 inc VAT

SUPPLIER cyberpowersystem.co.uk

The Infinity X115 GT isn't expensive or flashy, but it's a good mainstream gaming option at a great price. It's built around the affordable GeForce RTX 3060, and this rig's card comes from MSI. The Gaming X 12G card improves the reference boost clock from 1777MHz to 1837MHz. It's also equipped with a whopping 12GB of GDDR6 memory and 3,584 stream processors, which is ideal for gaming at 1,920 x 1,080.

The processor is an entry-level part too, but while the Intel Core i5-11400 can't be overclocked, its six cores are Hyper-Threaded and the base clock of 2.6GHz rises to a boost peak of 4.4GHz. The rest of the specification follows suit, with 16GB of dual-channel 3200MHz memory and a 1TB Intel 670P NVMe SSD with decent read and write speeds of 3,351MB/sec and 2,525MB/sec. It's all powered by a Cooler Master MWE PSU that's impressive at this price, with a fully modular design and 80 Plus Gold certification.

MSI provides the motherboard alongside the GPU, but the B560M PRO-VDH WIFI is an underwhelming micro-ATX offering. On the positive side, it has two spare memory slots, two M.2 connectors and two 1x PCI-E slots, and networking is impressive: it has 2.5Gbps Ethernet, dual-band Wi-Fi 6 and Bluetooth.

Understandably, though, there are plenty of missing features: only the first M.2 connector and neither of the 1x PCI-E slots support PCI-E 4, and audio comes from the entry-level Realtek AL897 chipset. The board has no fancy heatsinks and no RGB LEDs, and the rear I/O serves up two 10Gbps USB 3.2 Gen 2 ports and a pair of slower USB 3.2 Gen 1 connectors, but no USB Type-C and only three audio jacks. This isn't a board for overclocking or upgrading, but it has solid connection options and room for extra memory and storage.

CyberPower's micro-ATX motherboard means CyberPower can use a smaller case than usual too. Cooler Master's MasterBox MB311L is affordable, but there's still plenty to like – the 120mm intake fans have loads of RGB LEDs, so they look superb through the mesh fascia. The MasterBox has a tempered glass side panel and a PSU shroud, and its 410mm height makes it smaller than most mid-tower enclosures.

At the front the cabling is neat, and the chassis is spacious – but that's also because the graphics card isn't big and the processor is chilled by an Intel low-profile cooler rather than a more substantial cooler. At the rear, the Cooler Master has a fan hub and a cage with room for two hard disks, but no hard disk bays.

Meanwhile, the top of the chassis has two USB 3.2 Gen 1 ports, but no USB Type-C connector and no button to alter the lighting. The only other issue with the chassis is the build quality – while most of the metal used is sturdy, the mesh front panel and the roof are noticeably weaker.

The CyberPower isn't the only affordable system we've seen recently. The Scan 3XS Gamer RTX also used an RTX 3060. That rig had a poorer motherboard, but it did deploy a Core i5-11600K processor with a water-cooling unit alongside more capacious storage, and it now costs £1,349. Also, our lead feature this month shows you how to build an RTX 3060 machine with a Ryzen 5 5600X for a cheaper price.

What you don't get with our build, of course, is a Windows installation, a ready-built system and a warranty. The CyberPower warranty is generous as well, with five years of labour coverage and two years of parts protection alongside six months of collect and return service.

SPEC

CPU
2.6GHz Intel Core i5-11400

Motherboard
MSI B560M PRO-VDH WIFI

Memory
16GB Corsair Vengeance LPX 3200MHz DDR4

Graphics
MSI GeForce RTX 3060 12GB

Storage
1TB Intel 670p M.2 SSD

Networking
2.5Gbps Ethernet, dual-band 802.11ax Wi-Fi, Bluetooth 5.1

Case
Cooler Master MasterBox MB311L

Cooling
CPU: Intel low-profile cooler with 1 x 80mm fan; GPU: 2 x 90mm fans; front: 2 x 120mm fans; rear: 1 x 120mm fan

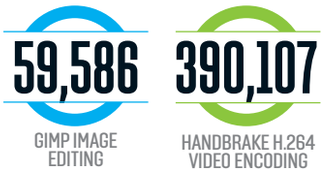
PSU
Cooler Master MWE 650W

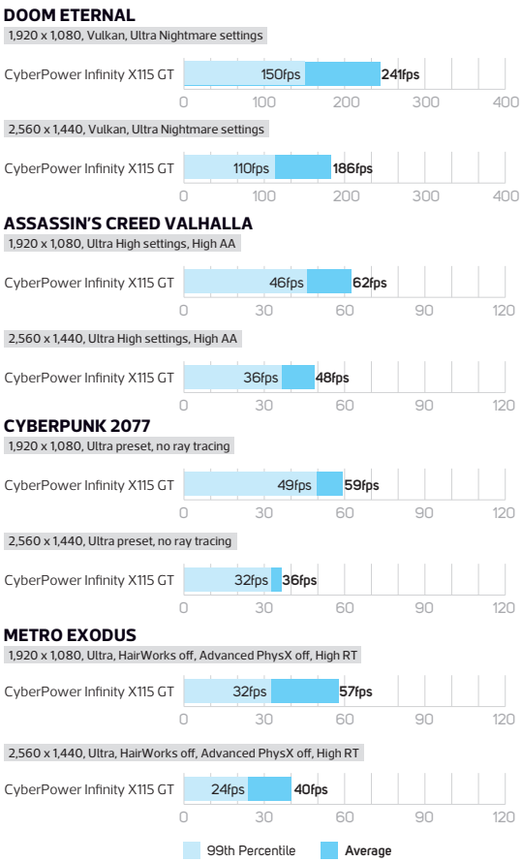
Ports
Front: 2 x USB 3.2 Gen 1, 2 x audio; rear: 2 x USB 3.2 Gen 2, 2 x USB 3.2 Gen 1, 2 x USB 2, 1 x PS/2, 3 x audio

Operating system
Microsoft Windows 10 Home 64-bit

Warranty
Five years labour, two years parts, six months collect and return then return to base

BENCHMARK RESULTS





Performance

The RTX 3060 remains a solid option for 1080p gaming. It played Assassin's Creed Valhalla and Cyberpunk 2077 with 99th percentile minimums of 46fps and 49fps, and it was a little faster in the latter with Medium ray tracing and Balanced DLSS enabled, so you can play big games with ray tracing, although DLSS looks a bit blurry at this resolution.

This machine's Doom Eternal 99th percentile result of 150fps shows this PC can cope with high frame rates in less demanding titles too. Scan's PC was consistently a little quicker, with its bigger GPU overclock.

Indeed, the Core i5-11400 is pretty unremarkable. Its image editing score of 59,586 is around 5,000 points behind Intel and AMD's best mid-range chips, including the Scan's i5-11600K, and the CyberPower fell behind in the rest of our application benchmarks.

The Core i5-11400 returned a mediocre overall score of 165,888, which is good enough to handle everyday office apps and browser-based tasks, but it can't compete with the Core i5-11600K and AMD's Ryzen 5 chips. That's to be expected at its price, but it's important to be aware of its limitations.

The CyberPower is a good thermal performer, though. When gaming, its noise output is modest and the GPU delta T of 40°C is great too. In stress testing, the processor peaked with a high delta T of 73°C before throttling, but in conventional work tests, it didn't have issues, hitting its single and all-core Turbo speeds of 4.4GHz and 4.2GHz without any problems.

Conclusion

The CyberPower's overclocked RTX 3060 is ideal for 1080p gaming and esports, the case is compact and tidy, and this rig has decent memory, a reasonably fast SSD and a versatile PSU. It's consistently quiet too. Of course, though, there are compromises at this price, and here, that means a mediocre motherboard and processor.

For mainstream gaming, though, the unremarkable motherboard and processor aren't big issues. CyberPower's rig delivers solid 1080p frame rates inside a compact, quiet and affordable build, making it a solid buy in the current climate.

MIKE JENNINGS

BUZZ LIGHTYEAR

+ Solid 1080p gaming pace
+ Consistently quiet operation
+ Low price
+ Decent RAM, SSD and PSU

EMPEROR ZURG

− Mediocre CPU
− Basic motherboard
− Rivals are quicker in games

VERDICT

Solid gaming pace inside an affordable, quiet build make the CyberPower a decent 1080p gaming option.

PERFORMANCE 17/25

DESIGN 20/25

HARDWARE 18/25

VALUE 25/25

OVERALL SCORE 80%