AS-MAXIMUS-VII-FORMULA

Asus Maximus VII Formula LGA 1150 Z97 Chipset Motherboard

Product Overview

Asus Maximus VII Formula, Intel LGA 1150 5th/New 4th/4th Gen i7-Celeron, Intel Z97 Chipset, 4xDIMM, Dual Channel, Max. 32GB, DDR3 3300(O.C.)-1333 MHz, M.2 Socket3, M Key, 2xPCIe 3.0, 3xPCIe 2.0, 1xGB LAN, 1xDVI, 1xDP, 1xHDMI, 6 x USB 3.0, 2 x USB 2.0, ATX





Specifications

Features:

Air or liquid - it's cooler with copper!
All-new CrossChill Copper is engineered with a copper cooling channel that's incredibly effective at removing heat. It's great on air, and with liquid you'll lower MOSFET temperatures by up to 23?C! The G1/4" threaded fittings mean CrossChill Copper is ready for your existing cooling setup!

More throughput, less CPU usage and great gaming experiences!
Maximus VII Formula features the very latest Intel® Ethernet for faster, smoother gaming - always. Intel's LAN has the serious double advantage of reducing CPU overhead and offering exceptionally high TCP and UDP throughput. This significantly reduces the processor's workload, so there's more power for your game and your gameplay!

2X-Faster UDP Game-data Performance
ASUS engineers used IxChariot, an independent network-assessment test tool, to determine just how much quicker Intel Gigabit Ethernet deals with the smaller (sub-256 bytes) UDP data packets that are vital for responsive gaming. The results are in - and with Maximus VII Formula your game-data packets flow up to two times (2X) faster than competing gaming-LAN technologies!

Pumped-up throughput. Best surge protection.
ROG has reinvented the LAN port. Advanced signal-coupling technology and premium surface-mounted capacitors improve throughput, while surge-protected and electrostatically-guarded components (ESD Guards) protect your motherboard from lightning strikes and static electricity!

Network-optimization software for no-delay gameplay!
Exclusive GameFirst III has been upgraded with even more gamer-helping features and an interface that's even more intuitive! GameFirst III helps you to assign top priority to game packets and allocate more bandwidth to the game, ensuring the best online gaming experience.

120dB SNR audio for gaming punch and Hi-Fi excellence!
SupremeFX Formula 2014 delivers audio that's as great as a dedicated sound card! Cutting-edge electromagnetic interference (EMI) isolation and exceptionally-premium components deliver best-in-class 120dB signal-to-noise ratio (SNR) output. Exclusive SenseAmp technology automatically detects headphone impedance and adjusts accordingly, and SupremeFX Formula 2014 is able to drive up to 600ohm headphones. Moreover, Sonic SoundStage applies the best audio settings for popular game genres.

Scan and detect to dominate!
Designed for first-person shooters (FPS), Sonic Radar II displays a stealthy overlay that shows what opponents and teammates are up to. See the precise direction and origin of in-game sounds such as gunshots, footsteps and call-outs, and practice your enemy-pinpointing skills - and exclusive Audio Enhancement further improves in-game sound for superb hearing awareness. The all-new Sonic Radar II includes a redesigned control panel with customizable game list!

Your keyboard, instantly upgraded!
Fancy a free keyboard upgrade? That's what KeyBot gives you - instantly. Just plug your existing keyboard into the dedicated USB socket to activate the exclusive KeyBot microprocessor on the Maximus VII Formula. Use the easy-to-use utility to assign macros to function keys F1-F10, launch any application with a single press or control multimedia playback.

Your connectivity companion!
Maximus VII Formula's mPCIe Combo III + 802.11ac / Bluetooth 4.0 module delivers the latest connectivity, with mini PCI Express (mPCIe) on one side and M.2 (PCIe/10Gbit/s and SATA/6Gbit/s) on the other.

Acclaimed by world media as the most-intuitive UEFI BIOS!
The smoothest mouse-controlled graphical UEFI BIOS has been upgraded to deliver faster setup and easier functions, with an even more appealing design for better overclocking and DIY experiences. Whether you're a PC novice or a seasoned overclocker, the EZ and Advanced Modes help you find your way, quickly and easily.

Stable supply of 5V - front and back!!
Forget the USB power drop-outs! ROG's TrueVolt USB design delivers a rock-steady 5V supply to both the front and back USB sockets - no drop-outs! Two 5V isolated linear power supply for all USB ports

- Low noise, low loss.
- Stable 5V* supply to provide clean 5V USB power to minimize potential fluctuations
- All connected equipment (e.g. USB DAC or thumb drivers) benefits from the clean, stable 5V supply at the same time.

Hardcore power delivery with premium components
Maximus VII Formula's completely digital power architecture along is engineered with premium components to provide total control over the Fully Integrated Voltage Regulators (FIVR) found in the latest Intel® processors. Dynamic speed adjustments and intricate manual controls let you the push the processor and memory further than ever - with the assurance of the highest stability and precision.

Dynamically unleash your RAM - 20X faster than SSD!
With RAMDisk you can turn system memory into superfast temporary storage. Put large files, such as game maps, into RAMDisk and watch loading times fly - you'll never again wait to play. The improved 2014 edition of RAMDisk dynamically allocates memory, so unused RAM is released back to the system when it's needed. You'll even enjoy the bonus of protecting your SSD drives, as RAMDisk reduces excessive reads and writes that can reduce lifespan! Last but not least, the junction function serves as quick links between files and RAM storage. All files are automatically saved and restored to their specific locations on hard drives when you turn your PC off, then go back to RAM when you power on again.

AI Suite 3
One-stop intuitive control panel

ROG CPU-Z

ROG-themed CPU-Z shows important system information

Mem TweakIt
Dynamic timing monitoring, DRAM efficiency gauge

USB UEFI BIOS Flashback
Refresh your BIOS in a flash, even when the system is off

Kaspersky® Anti-Virus (1 year)
The best protection from viruses and spyware

DAEMON Tools Pro Standard(1 year)
The leading tool for optical and virtual discs

ASUS WebStorage
Free cloud storage

ASUS HomeCloud
Access your PC, stream multimedia and manage cloud storage - anytime and anywhere!

COMPATIBLE WITH OC PANEL & FRONT BASE
All ROG Maximus VII (Z97) motherboards are compatible with OC Panel and Front Base for superior performance tuning and system monitoring. To ensure complete OC Panel and Front Base functionality please apply the latest firmware updates for OC Panel and also the latest software updates for Front Base. The latest versions can be downloaded by visiting the relevant product websites.

Upgrade to super-fast Thunderbolt™ 2 speed today
ASUS ThunderboltEX II series are the first Intel®-certified Thunderbolt™ 2 add-on card, offering the flexibility to upgrade your own build to Thunderbolt 2 technology whenever you want. You can enjoy bi-directional transfer speeds up to 20Gbit/s - that's four times (4X) faster than USB 3.0! Experience video in incredible detail on the latest 4K/UHD (ultra-high-definition) displays while using bandwidth-hungry storage devices at the same time.

Specifications:

© 2015 Respective owners and brand holders. This table has been carefully researched and generated by ComXpert International CC (http://www.comx.co.za), however, errors and omissions may occur. Only references to South Africa apply. All products are sourced in South Africa from the official suppliers and the warranty is that of the local supplier. E&OE. This table and our site's content may be used on condition that this notice and link remains intact and unaltered.

Specifications	
Product Code	AS-MAXIMUS-VII-FORMULA
CPU	Intel Socket 1150 for the 5th/New 4th/4th Generation Core i7/Core i5/Core i3/Pentium /Celeron Processors
	Supports Intel 22 nm CPU
	Supports Intel Turbo Boost Technology 2.0
	* The Intel Turbo Boost Technology 2.0 support depends on the CPU types.
Chipset	Intel Z97

Memory	4 x DIMM, Max. 32GB, DDR3 3300(O.C.) / 3200(O.C.) / 3100(O.C.) / 3000(O.C.) / 2933(O.C.) / 2800(O.C.) / 2666(O.C.) / 2400(O.C.) / 2133(O.C.) / 2000(O.C.) / 1866(O.C.) / 1600 / 1333 MHz Non-ECC, Un-buffered Memory
	Dual Channel Memory Architecture
	Supports Intel Extreme Memory Profile (XMP)
	* Hyper DIMM support is subject to the physical characteristics of individual CPUs.
Graphic	Integrated Graphics Processor- Intel HD Graphics support
	Multi-VGA output support : HDMI/DisplayPort 1.2 ports
	- Supports HDMI with max. resolution 4096 x 2160 @ 24 Hz / 2560 x 1600 @ 60 Hz
	- Supports DisplayPort with max. resolution 4096 x 2160 @ 24 Hz / 3840 x 2160 @ 60 Hz
	Supports Intel InTru 3D, Quick Sync Video, Clear Video HD Technology, Insider
Multi-GPU Support	Supports NVIDIA Quad-GPU SLI Technology
	Supports AMD 3-Way CrossFireX Technology
Expansion Slots	2 x PCIe 3.0/2.0 x16 (x16 or dual x8)
	1 x PCIe 2.0 x16 (x4 mode) *1
	3 x PCIe 2.0 x1
	1 x mini-PCIe 2.0 x1 *2
Storage	Intel Z97 chipset :
	1 x SATA Express port, compatible with 2 x SATA 6.0 Gb/s ports
	1 x M.2 Socket 3,, with M Key, type 2260 storage devices support (both SATA & PCIE mode)
	4 x SATA 6Gb/s port(s), red
	Support Raid 0, 1, 5, 10
	Supports Intel Smart Response Technology, Intel Rapid Start Technology, Intel Smart Connect Technology *3
	ASMedia SATA Express controller : *4
	1 x SATA Express port, compatible with 2 x SATA 6.0 Gb/s ports
	ASMedia ASM1061 controller : *4
	2 x SATA 6Gb/s port(s), red
LAN	Intel I218V, 1 x Gigabit LAN Controller(s), featuring GAMEFIRST III
	Intel LAN- Dual interconnect between the Integrated LAN controller and Physical Layer (PHY)
	Anti-surge LANGuard
Wireless Data Network	Wi-Fi 802.11a/b/g/n/ac
	Supports dual band frequency 2.4/5 GHz
Bluetooth	Bluetooth V4.0

Audio	ROG SupremeFX Formula 2014 8-Channel High Definition Audio CODEC *4
	- Supports : Jack-detection, Multi-streaming
	- SupremeFX Shielding Technology
	- Cirrus Logic CS4398 DAC: 120 dB SNR, -107 dB THD+N (Max. 192 kHz/ 24 -bit)
	- WIMA film capacitors
	- ELNA premium audio capacitors
	- TI LM4562 high-fidelity audio OP AMP(s)
	Audio Feature :
	- Blu-ray audio layer Content Protection
	- DTS Connect
	- Optical S/PDIF out port(s) at back panel
	- Sonic SoundStage
	- Sonic SenseAmp
	- Sonic Studio
	- Sonic Radar II
USB Ports	Intel Z97 chipset : *5
	6 x USB 3.0 port(s) (4 at back panel, blue, 2 at mid-board)
	Intel Z97 chipset : *6
	6 x USB 2.0 port(s) (2 at back panel, black, 4 at mid-board)
	ASMedia USB 3.0 controller :
	2 x USB 3.0 port(s) (2 at back panel, blue)

ROG Exclusive Features	CrossChill Copper (Hybrid air and liquid cooling)*7
	ROG Armor (including top cover and SECC steel backplate)*8
	mPCIe Combo III (mPCIe/M.2 combo card)
	ROG Connect :
	- RC Diagram
	- RC Remote
	- RC Poster
	Extreme Engine Digi+ III :
	- 8 + 2 phase power design
	- NexFET Power Block MOSFET
	- 60A BlackWing Chokes
	- 10K Black Metallic Capacitors
	ProbeIt
	KeyBot
	- CPU Level Up
	- XMP
	- Direct Key
	UEFI BIOS features :
	- GPU.DIMM Post
	- Tweakers' Paradise
	- ROG SSD Secure Erase
	- Graphic Card Information Preview
	ROG RAMDisk
	GameFirst III
	Extreme Tweaker

Special Features	5-Way Optimization by Dual Intelligent Processors 5
	- Whole system optimization with a single click! 5-Way Optimization tuning key perfectly consolidates TPU, EPU, DIGI+ Power Control, Fan Xpert 3, and Turbo App together, providing better CPU performance, efficient power saving, precise digital power control, whole system cooling and even tailor your own app usages.
	Gamer's Guardian:
	- ESD Guards on LAN, Audio, KBMS and USB3.0/2.0 ports
	- DRAM Overcurrent Protection
	- 10K Black Metallic Capacitors
	- Stainless Steel Back I/O
	ASUS Wi-Fi GO!
	- Wi-Fi GO! Function: Cloud GO!, Remote Desktop, Remote Keyboard & Mouse, File Transfer
	- Wi-Fi GO! & NFC Remote app for portable smartphone/tablet, supporting iOS 7 & Android 4.0 systems
	ASUS Exclusive Features :
	- MemOK!
	- AI Suite 3
	- Ai Charger+
	- USB Charger+
	- USB 3.0 Boost
	- Disk Unlocker
	ASUS EZ DIY :
	- ASUS O.C. Profile
	- ASUS CrashFree BIOS 3
	- ASUS EZ Flash 2
	- ASUS USB BIOS Flashback
	- Push Notice
	ASUS Q-Design :
	- ASUS Q-Shield
	- ASUS Q-Code
	- ASUS Q-LED (CPU, DRAM, VGA, Boot Device LED)
	- ASUS Q-Slot
	- ASUS Q-DIMM
	- ASUS Q-Connector
	Overclocking Protection :
	- ASUS C.P.R.(CPU Parameter Recall)
	Media Streamer

Operating System Support	Windows 8.1
	Windows 8
	Windows 7
Back I/O Ports	1 x PS/2 keyboard/mouse combo port(s)
	1 x DisplayPort
	1 x HDMI
	1 x LAN (RJ45) port(s)
	6 x USB 3.0 (blue)
	2 x USB 2.0 (one port can be switched to ROG Connect)
	1 x Optical S/PDIF out
	6 x Audio jack(s)
	1 x Clear CMOS button(s)
	1 x ROG Connect On/ Off switch(es)
Internal I/O Ports	1 x USB 3.0 connector(s) support(s) additional 2 USB 3.0 port(s)
	2 x USB 2.0 connector(s) support(s) additional 4 USB 2.0 port(s)
	2 x SATA Express connector: red
	1 x TPM header
	6 x SATA 6Gb/s connector(s)
	1 x CPU Fan connector(s) (1 x 4 -pin)
	1 x CPU OPT Fan connector(s) (1 x 4 -pin)
	6 x Chassis Fan connector(s) (6 x 4 -pin)
	1 x Thunderbolt header(s)
	1 x 24-pin EATX Power connector(s)
	1 x 8-pin ATX 12V Power connector(s)
	1 x 4-pin ATX 12V Power connector(s)
	1 x Front panel audio connector(s) (AAFP)
	1 x System panel(s) (Q-Connector)
	1 x MemOK! button(s)
	10 x ProbeIt Measurement Points
	1 x Thermal sensor connector(s)
	1 x Power-on button(s)
	1 x Reset button(s)
	1 x mPCIe Combo III connector(s)
	1 x ROG extension (ROG_EXT) header(s)
	1 x KeyBot Button
	1 x Sonic SoundStage Button

Accessories	User's manual
	I/O Shield
	8 x SATA 6Gb/s cable(s)
	1 x ASUS 2T2R dual band Wi-Fi moving antennas (Wi-Fi 802.11a/b/g/n/ac compliant)
	1 x SLI bridge(s)
	1 x Q-connector(s) (2 in 1)
	1 x 12 in 1 ROG Cable Label(s)
	1 x mPCIe Combo III card(s) with dual-band WiFi 802.11 a/b/g/n/ac + Bluetooth v4.0 module
	1 x ROG Door Hanger(s)
BIOS	64 Mb Flash ROM, UEFI AMI BIOS, PnP, DMI2.7, WfM2.0, SM BIOS 2.8, ACPI 5.0, Multi-language BIOS
Manageability	WfM2.0, DMI2.7, WOL by PME, PXE
Support Disc	Drivers
	ROG GameFirst III
	ROG RAMDisk
	ROG CPU-Z
	ROG Mem TweakIt
	Kaspersky Anti-Virus
	DAEMON Tools Pro Standard
	ASUS WebStorage
	HomeCloud
	ASUS Utilities
Form Factor	ATX Form Factor
	12 inch x 9.6 inch (30.5 cm x 24.4 cm)

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:
https://www.comx-computers.co.za/AS-MAXIMUS-VII-FORMULA-Asus-Maximus-VII-Formula-LGA-1150-Z97-Chipset-Motherboard-p-117201.php

Images and specifications are provided for reference and are subject to change without notice. E&OE.

Terms of Use: https://www.comx-computers.co.za/terms-of-use.php
Terms of Sale: https://www.comx-computers.co.za/terms-of-sale.php

PDF generated: 2026-11-21 02:58:01.

This PDF was generated automatically and may include content prepared or assisted by automated or AI-based systems. While reasonable care is taken to ensure accuracy, errors or omissions may occur.

For the most current and accurate product information, please refer to the product information available on our website. If any specification or other information differs from information published elsewhere, please confirm the details with us before relying on the information or making a purchasing

decision.

If you identify an error or discrepancy, please report it to us so that we may investigate and correct it where necessary.