



Specifications

Model	Maximus V Extreme
CPU	Intel® Socket 1155 for 3 rd /2 nd Generation Core™ i7/Core™ i5/Core™ i3/Pentium®/Celeron® Processors Supports Intel® 22 nm CPU Supports Intel® 32 nm CPU Supports Intel® Turbo Boost Technology 2.0 * The Intel® Turbo Boost Technology 2.0 support depends on the CPU types. * Refer to www.asus.com for CPU support list
Chipset	Intel® Z77
Memory	4 x DIMM, Max. 32GB, DDR3 2800(O.C.)/2666(O.C.)/2600(O.C.)/2400(O.C.)/2200(O.C.)/2133(O.C.)/2000(O.C.)/1866(O.C.)/1600/1333/1066 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. * Refer to www.asus.com or user manual for the Memory QVL (Qualified Vendors Lists).
Thunderbolt	VGA output support Data transfer rate up to 10 Gbps Daisy-chain up to 6 Thunderbolt devices
Graphic	Integrated Graphics Processor Multi-VGA output support : HDMI/DisplayPort/Thunderbolt ports - Supports HDMI with max. resolution 1920 x 1200 @ 60 Hz - Supports DisplayPort with max. resolution 2560 x 1600 @ 60 Hz - Supports Thunderbolt with max. resolution 2560 x 1600 @ 60 Hz Supports Intel® HD Graphics, InTru™ 3D, Quick Sync Video, Clear Video HD Technology, Insider™
Multi-GPU Support	Supports NVIDIA® 4-Way SLI™ Technology Supports AMD CrossFireX™ Technology Supports LucidLogix® Virtu™ MVP Technology *1
Expansion Slots	5 x PCIe 3.0/2.0 x16 (x16 or dual x8 or x8/x16/x8 or x8/x16/x8/x8) *2 1 x PCIe 2.0 x4 1 x mini-PCIe 2.0 x1 *3
Storage	Intel® Z77 chipset : *4 2 x SATA 6Gb/s port(s), red 3 x SATA 3Gb/s port(s), black 1 x mini-SATA 3Gb/s port(s) , black Support Raid 0, 1, 5, 10 Supports Intel® Smart Response Technology, Intel® Rapid Start Technology, Intel® Smart Connect Technology *5
LAN	ASMedia® PCIe SATA controller : *6 4 x SATA 6Gb/s port(s), red
Wireless Data Network	Intel®, 1 x Gigabit LAN Controller(s) Wi-Fi 802.11 a/b/g/n
Bluetooth	Supports dual band frequency 2.4/5 GHz Bluetooth V4.0 Bluetooth V3.0+HS
Audio	Realtek® ALC898 7.1-Channel High Definition Audio CODEC - Supports : Jack-detection, Multi-streaming, Front Panel Jack-retasking Audio Feature : - Blu-ray audio layer Content Protection - Optical S/PDIF out port(s) at back panel - Optical S/PDIF in port(s) at back panel
USB Ports	Intel® Z77 chipset : 4 x USB 3.0 port(s) (2 at back panel, blue, 2 at mid-board) Intel® Z77 chipset : 8 x USB 2.0 port(s) (4 at back panel, black+white, 4 at mid-board) ASMedia® USB 3.0 controller : 4 x USB 3.0 port(s) (2 at back panel, blue, 2 at mid-board) mPCIe Combo™ (mPCIe/mSATA combo card) ROG OC Key - OSD TweakIt - OSD Monitor ROG Connect : - RC Diagram - RC Remote - RC Poster

Overclocking Features	<ul style="list-style-type: none"> - GPU Tweaktl Extreme Engine Digi+ II : - 8 -phase CPU power design + 4 -phase iGPU power design - 2 -phase Memory power design ROG Extreme OC kit : - Subzero Sense - VGA Hotwire - Slow Mode - LN2 Mode - PCIe x16 Lane Switch - EZ Plug Probelt UEFI BIOS features : - ROG BIOS Print - GPU.DIMM Post iROG Extreme Tweaker Loadline Calibration USB BIOS Flashback Overclocking Protection : - ASUS C.P.R.(CPU Parameter Recall)
Special Features	<ul style="list-style-type: none"> ASUS TurboV EVO : - TurboV ASUS EPU : - EPU ASUS Wi-Fi GO! - Wi-Fi GO! Function: DLNA Media Hub, Smart Motion Control, Remote Desktop, Remote Keyboard & Mouse, File Transfer, Capture & Send ASUS Exclusive Features : - AI Suite II - Ai Charger+ - USB Charger+ - USB 3.0 Boost - Disk Unlocker ASUS Quiet Thermal Solution : - ASUS Fan Xpert 2 ASUS EZ DIY : - ASUS O.C. Profile - ASUS CrashFree BIOS 3 - ASUS EZ Flash 2 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
Back I/O Ports	<ul style="list-style-type: none"> 1 x PS/2 keyboard/mouse combo port(s) 1 x Thunderbolt port(s) 1 x DisplayPort 1 x HDMI 1 x LAN (RJ45) port(s) 4 x USB 3.0 4 x USB 2.0 (one port can be switched to ROG Connect) 1 x Optical S/PDIF out 1 x Optical S/PDIF in 5 x Audio jack(s) 1 x Clear CMOS button(s) 1 x ROG Connect On/ Off switch(es)
	<ul style="list-style-type: none"> 2 x USB 3.0 connector(s) support(s) additional 4 USB 3.0 port(s) 2 x USB 2.0 connector(s) support(s) additional 4 USB 2.0 port(s) 6 x SATA 6Gb/s connector(s) 3 x SATA 3Gb/s connector(s) 2 x CPU Fan connector(s) (4 -pin) 3 x Chassis Fan connector(s) (4 -pin) 3 x Optional Fan connector(s) (4 -pin) 1 x S/PDIF out header(s) 1 x 24-pin EATX Power connector(s) 1 x 8-pin ATX 12V Power connector(s)

Internal I/O Ports	<ul style="list-style-type: none"> 1 x 4-pin ATX 12V Power connector(s) 1 x 6-pin EZ_PLUG Power connector(s) 1 x 4-pin EZ_PLUG Power connector(s) 1 x Front panel audio connector(s) (AAFP) 1 x System panel(s) 1 x OC Key header(s) 2 x Subzero Sense connector(s) 2 x VGA Hotwire(s) 1 x Slow Mode switch(es) 15 x Probelts Measurement Points 7 x Probelts cable connector(s) 3 x Thermal sensor connector(s) 1 x Power-on button(s) 1 x Reset button(s) 1 x ROG Connect switch(es) 1 x LN2 Mode switch(es) 1 x Go Button(s) 1 x BIOS Switch button(s) 1 x mPCIe Combo header(s)
Accessories	<ul style="list-style-type: none"> User's manual I/O Shield 2 x SATA 3Gb/s cable(s) 6 x SATA 6Gb/s cable(s) 1 x 3-Way SLI bridge(s) 1 x 4-Way SLI bridge(s) 1 x SLI bridge(s) 1 x CrossFire cable(s) 1 x Q-connector(s) (2 in 1) 1 x 2-port USB 2.0 and eSATA module(s) 1 x ROG Connect cable(s) 1 x Probelts cable set(s) 1 x 12 in 1 ROG Cable Label(s)
BIOS	64Mb UEFI AMI BIOS, PnP, DMI2.0, WfM2.0, SM BIOS 2.5, ACPI2.0a Multi-Language BIOS
Manageability	WfM2.0, DMI2.0, WOL by PME, PXE
Support Disc	<ul style="list-style-type: none"> Drivers Kaspersky® Anti-Virus DAEMON Tools Pro Standard ROG CPU-Z Mem TweakIt ASUS AI Suite II ASUS WebStorage ASUS Utilities
Form Factor	Extended ATX Form Factor 12.0 inch x 10.7 inch (30.5 cm x 27.2 cm)
Note	<ul style="list-style-type: none"> *1: LucidLogix Virtu MVP supports Windows 7 operating systems. *2-1: PCIe3.0 speed is supported by Intel® 3rd generation Core™ Processors. *2-2: Native x8/x8 mode is available when only PCIE_X16X/X8_1 and PCIE_X8_2B slots are in used. *3-1: The mini-PCIe slot is on mPCIe Combo™ expansion card. *3-2: The mini-PCIe slot is pre-installed with an Wi-Fi/Bluetooth module. *4-1: 1 SATA 3Gb/s port at mid-board is reserved for eSATA. *4-2: A 2-port USB 2.0 and eSATA module is bundled for 1 x eSATA port at rear. *4-3: The mini-SATA slot is on mPCIe Combo™ expansion card. *5: Supports on Intel® Core™ processor family with Windows® 7 operating systems. *6: These SATA ports are for data drives only.

The product (electrical , electronic equipment, Mercury-containing button cell battery) should not be placed in municipal waste. Check local regulations for disposal of electronic products.

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PCB color and bundled software versions are subject to change without notice.

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