

Z97-K R2.0

Note: The specifications are subject to change without notice.

CPU	LGA1150 socket for the 4th, New 4th & 5th Generation Intel® Core™ i7/Intel® Core™ i5/ Intel® Core™ i3, Pentium® and Celeron® processors Supports 22nm CPU Supports Intel® Turbo Boost Technology 2.0* * The Intel® Turbo Boost Technology 2.0 support depends on the CPU types.
Chipset	Intel® Z97 Express Chipset
Memory	4 x DIMM, max. 32 GB, DDR3 3200(O.C.)*/3100(O.C.)*/3000(O.C.)*/ 2933(O.C.)*/2800(O.C.)*/2666(O.C.)*/2600(O.C.)*/2400(O.C.)*/ 2250(O.C.)*/2200(O.C.)*/2133(O.C.)*/2000(O.C.)*/ 1866(O.C.)*/ 1600/1333MHz, 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. Please refer to Memory QVL(Qualified Vendors List)
Expansion Slots	1 x PCI Express 3.0/2.0 x16 slot (at x16 mode) 1 x PCI Express 2.0 x16 slot* (max. at x4 mode, compatible with PCIe x1 and x4 devices) 2 x PCI Express 2.0 x1 slots* 2 x PCI slots *The PCIe x1_1, PCIe x1_2 slots share bandwidth with PCIe x16_2(@x4).
VGA	Integrated Graphics Processor- Intel® HD Graphics support Multi-VGA output support: HDMI/DVI-D/RGB port Supports HDMI with max. resolution 4096x2160@24Hz / 2560x1600@60Hz Supports DVI-D with max. resolution of 1920 x 1200 @60Hz Supports RGB with max. resolution of 1920 x 1200 @60Hz Supports Intel® InTru™ 3D/Quick Sync Video/Clear Video HD Technology/Insider™ Supports up to 3 displays simultaneously Maximum shared memory of 512MB
Multi-GPU support	Supports AMD® Quad-GPU CrossFireX™ Technology
Storage	Intel® Z97 Express Chipset with RAID 0, 1, 5, 10 and Intel Rapid Storage Technology 13 support - 1 x M.2 Socket 3 * - 6 x SATA 6.0 Gb/s ports (gray) - Supports Intel® Smart Response Technology, Intel® Rapid Start Technology, Intel® Smart Connect Technology** * M.2 Socket 3 shares bandwidth with SATA 5/6, and supports M Key and type 2242/2260/2280 storage devices. ** These functions will work depending on the CPU installed.
LAN	Realtek® 8111GR Gigabit LAN
Audio	Realtek® ALC887 7.1-channel high definition audio CODEC featuring Crystal Sound 2 * LED in Audio Amplifier: Ensures precision analog/digital separation and greatly reduced crosstalk interference, with a gorgeous red LED. - Dedicated audio PCB layers: Separate layers for left and right channels to guard the quality of the sensitive audio signals - Audio amplifier: Provides the highest-quality sound for headphone and speakers - Premium Japanese-made audio capacitors: Provide warm, natural and immersive sound with exceptional clarity and fidelity. - Unique de-pop circuit: Reduces start-up popping noise to audio outputs - Supports jack-detection and front panel jack-retasking
USB	Intel® Z97 Express Chipset- supports ASUS USB 3.0 Boost - 6 x USB 3.0/2.0 ports (2 ports at mid-board; 4 ports at back panel, blue) - 8 x USB 2.0/1.1 ports (6 ports at mid-board; 2 ports at back panel)
ASUS Special Features	High Performance ASUS 5X PROTECTION - ASUS DIGI+ VRM - 4 Phase digital power design - ASUS Enhanced DRAM Overcurrent Protection - Short circuit damage prevention - ASUS ESD Guards - Enhanced ESD protection - ASUS High-Quality 5K-Hour Solid Capacitors - 2.5x long lifespan with excellent durability - ASUS Stainless Steel Back I/O - 3x more durable corrosion-resistant coating UEFI BIOS - Most advanced options with fast response time M.2 onboard - The latest transfer technologies with up to 10 Gb/s data transfer speeds ASUS Fan Xpert 2+ - Ultimate cooling and quietness ASUS EPU - EPU Interactive HomeCloud Media Streamer - Pipe music or movies from your PC to a smart TV - Media Streamer app for portable smartphone/tablet, supporting iOS 7 and Android 4.0 system Gaming Scenario Crystal Sound 2 - Experience smooth online gaming with lower pings and less lags Steam Support - Compatible with the most fun gaming platform under Windows® system ASUS Exclusive Features - USB 3.0 Boost - Ai Charger - Ai Suite 3

	<ul style="list-style-type: none"> - Disk Unlocker
	EZ DIY
	Push Notice
	<ul style="list-style-type: none"> - Monitor your PC status with smart devices in real time
	UEFI BIOS EZ Mode
	<ul style="list-style-type: none"> - featuring friendly graphics user interface - ASUS O.C. Tuner - ASUS CrashFree BIOS 3 - ASUS EZ Flash 2
	Q-Design
	<ul style="list-style-type: none"> - ASUS Q-Slot
ASUS Quiet Thermal Solution	Quiet Thermal Design
	<ul style="list-style-type: none"> - ASUS Fan Xpert 2+ - Stylish Fanless Design: PCH Heat-sink & MOS Heatsink solution
ASUS Exclusive Overclocking Features	Precision Tweaker 2:
	<ul style="list-style-type: none"> - vCore: Adjustable CPU Core voltage at 0.001V increment - iGPU: Adjustable CPU Graphics voltage at 0.001V increment - vCCIO: Adjustable Analog and Digital I/O voltage at 0.001V increment - vCCIN: Adjustable CPU Input voltage at 0.01V increment - vCCSA: Adjustable CPU System Agent voltage at 0.001V increment - vDRAM Bus: 124-step Memory voltage control - vPCH:154-step Chipset voltage control
	SFS (Stepless Frequency Selection)
	<ul style="list-style-type: none"> - BCLK/PCIE frequency tuning from 80MHz up to 300MHz at 0.1MHz increment
	Overclocking Protection:
	<ul style="list-style-type: none"> - ASUS C.P.R. (CPU Parameter Recall)
Back Panel I/O Ports	<ul style="list-style-type: none"> 1 x PS/2 keyboard port 1 x PS/2 mouse port 1 x HDMI port 1 x DVI-D port 1 x RGB port 1 x LAN (RJ45) ports 4 x USB 3.0/2.0 ports (blue) 2 x USB 2.0/1.1 ports 3 Audio jacks support 7.1-channel

Internal I/O Connectors	1 x USB 3.0/2.0 connectors support additional 2 USB ports (19-pin)
	3 x USB 2.0/1/1 connectors support additional 6 USB ports
	1 x M.2 Socket 3 (for M Key, type 2242/2260/2280 devices)
	6 x SATA 6.0Gb/s connectors (gray)
	1 x 4-pin CPU Fan connector (PWM mode only)
	2 x 4-pin Chassis Fan connectors for 3-pin (DC mode) and 4-pin (PWM mode) coolers control
	1 x Front panel audio connector (AAFP)
	1 x S/PDIF out header
	1 x COM connector
	1 x 24-pin EATX Power connector
	1 x 8-pin EATX 12V Power connector
	1 x Clear CMOS jumper
1 x System panel connector	
BIOS	64 Mb Flash ROM, UEFI AMI BIOS, PnP, DMI2.7, WfM2.0, SM BIOS 2.8.0, ACPI 5.0, Multi-language BIOS, ASUS EZ Flash 2, ASUS CrashFree BIOS 3, My Favorites, Quick Note, Last Modified log, F12 PrintScreen, F3 Shortcut functions, a SPD (Serial Presence Detect) memory information
Manageability	WfM 2.0, DMI 2.7, WOL by PME, PXE
Accessories	2 x Serial ATA 6.0Gb/s cables
	1 x I/O Shield
	User's manual
Support DVD	Drivers
	ASUS Utilities
	EZ Update
	Anti-virus software (OEM version)
Operating System Support	Windows® 8.1 / Windows® 8
	Windows® 7
Form Factor	ATX Form Factor, 12"x 8.6" (30.5cm x 21.8cm)