

Product Brief

- A-Style : Home Cloud, 802.11ac WiFi
- Supports 4th Gen Intel® Core™ i7 / i5 / i3 / Xeon® / Pentium® / Celeron® in LGA1150 Package
- Premium Gold Capacitor Design, Digi Power, 6 Power Phase Design, DrMOS
- Supports Dual Channel DDR3 2933+(OC)
- 1 x PCIe 3.0 x16, 1 x half mini-PCIe, 1 x mSATA/full mini-PCIe
- Multi-VGA Output Options : DVI-I, HDMI, DisplayPort
- Intel Gigabit LAN
- 7.1 CH HD Audio with Content Protection (Realtek ALC1150 Audio Codec), Supports DTS Connect
- TI® NE5532 Premium Headset Amplifier (supports up to 600 Ohms headsets)
- 6 x SATA3, 1 x eSATA, 6 x USB 3.0, 6 USB 2.0
- Supports A-Tuning, XFast 555, Easy Driver Installer, FAN-Tastic Tuning, USB Key
- WLAN : 1 x 802.11ac + BT v4.0 module, 1 x ASRock 2.4/5GHz WiFi Antenna



Detail Specification

Platform	- Mini-ITX Form Factor - Premium Gold Capacitor design (100% Japan-made high-quality Conductive Polymer Capacitors)
A-Style	- Home Cloud - WiFi 802.11ac
CPU	- Supports 4th Generation Intel® Core™ i7 / i5 / i3 / Xeon® / Pentium® / Celeron® in LGA1150 Package - Digi Power Design - 6 Power Phase Design - DrMOS - Supports Intel® Turbo Boost 2.0 Technology - Supports Intel® K-Series unlocked CPU - Supports ASRock BCLK Full-range Overclocking
Chipset	- Intel® Z87
Memory	- Dual Channel DDR3 memory technology - 2 x DDR3 DIMM slots - Supports DDR3 2933+(OC)/2800(OC)/2400(OC)/2133(OC)/1866(OC)/1600/1333/1066 non-ECC, un-buffered memory - Max. capacity of system memory: 16GB - Supports Intel® Extreme Memory Profile (XMP) 1.3 / 1.2
Expansion Slot	- 1 x PCI Express 3.0 x16 slot - 1 x half mini-PCI Express slot: For WiFi + BT module - 1 x mSATA/full mini-PCI Express slot
Graphics	* Intel® HD Graphics Built-in Visuals and the VGA outputs can be supported only with processors which are GPU integrated. - Supports Intel® HD Graphics Built-in Visuals : Intel® Quick Sync Video with AVC, MVC (S3D) and MPEG-2 Full HW Encode1, Intel® InTru™ 3D, Intel® Clear Video HD Technology, Intel® Insider™, Intel® HD Graphics 4400/4600 - Pixel Shader 5.0, DirectX 11.1 - Max. shared memory 1792MB - Three VGA Output options: DVI-I, HDMI and DisplayPort - Supports Triple Monitors - Supports HDMI Technology with max. resolution up to 4K x 2K (4096x2304) @ 24Hz - Supports DVI-I with max. resolution up to 1920x1200 @ 60Hz - Supports DisplayPort with max. resolution up to 4K x 2K (4096x2304) @ 24Hz - Supports Auto Lip Sync, Deep Color (12bpc), xvYCC and HBR (High Bit Rate Audio) with HDMI (Compliant HDMI monitor is required) - Supports HDCP function with DVI-I, HDMI and DisplayPort ports - Supports Full HD 1080p Blu-ray (BD) playback with DVI-I, HDMI and DisplayPort ports
Audio	- 7.1 CH HD Audio with Content Protection (Realtek ALC1150 Audio Codec) - Premium Blu-ray audio support - TI® NE5532 Premium Headset Amplifier (supports up to 600 Ohms headsets) - Supports DTS Connect
LAN	- Gigabit LAN 10/100/1000 Mb/s - Giga PHY Intel® I217V - Supports Intel® Remote Wake Technology - Supports Wake-On-LAN - Supports Energy Efficient Ethernet 802.3az - Supports PXE
Wireless LAN	- Supports IEEE 802.11a/b/g/n/ac - Supports Dual-Band (2.4/5 GHz) - Supports High speed wireless connection up to 867Mbps - 2 antennas to support 2 (Transmit) x 2 (Receive) diversity technology - Supports Bluetooth 4.0 / 3.0 + High speed class II
Rear Panel I/O	- 1 x PS/2 Mouse/Keyboard Port - 1 x DVI-I Port - 1 x HDMI Port - 1 x DisplayPort - 1 x Optical SPDIF Out Port - 1 x eSATA Connector - 2 x USB 2.0 Ports - 4 x USB 3.0 Ports - 1 x RJ-45 LAN Port with LED (ACT/LINK LED and SPEED LED) - 1 x Clear CMOS Switch - HD Audio Jack: Rear Speaker / Central / Bass / Line in / Front Speaker / Microphone

Storage	- 6 x SATA3 6.0 Gb/s connectors, support RAID (RAID 0, RAID 1, RAID 5, RAID 10, Intel Rapid Storage Technology 12 and Intel Smart Response Technology), NCQ, AHCI and Hot Plug (SATA3_5 connector is shared with the eSATA port; SATA3_4 connector is shared with the mSATA/mini-PCI Express slot) - 1 x eSATA connector, supports NCQ, AHCI and Hot Plug - 1 x mSATA 6.0 Gb/s connector (Solid-State Drive connector), supports NCQ, AHCI functions and Full-size mini-PCI Express modules
Connector	- 1 x Chassis Intrusion header - 1 x TPM header - 1 x CPU Fan connector (4-pin) - 1 x Chassis Fan connector (4-pin) - 1 x 24 pin ATX power connector - 1 x 8 pin 12V power connector (High Density Power Connector) - 1 x Front panel audio connector - 2 x USB 2.0 headers (support 4 USB 2.0 ports) - 1 x USB 3.0 header (supports 2 USB 3.0 ports)
BIOS Feature	- 64Mb AMI UEFI Legal BIOS with Multilingual GUI support - ACPI 1.1 Compliance Wake Up Events - SMBIOS 2.3.1 Support - CPU, DRAM, PCH 1.05V, PCH 1.5V Voltage Multi-adjustment
Support CD	- Drivers, Utilities, AntiVirus Software (Trial Version), CyberLink MediaEspresso 6.5 Trial, Google Chrome Browser and Toolbar, Start8, MeshCentral, Splashtop Streamer
Unique Feature	- ASRock A-Tuning - ASRock Instant Flash - ASRock APP Charger - ASRock XFast USB - ASRock XFast LAN - ASRock XFast RAM - ASRock Crashless BIOS - ASRock OMG (Online Management Guard) - ASRock Internet Flash - ASRock UEFI System Browser - ASRock UEFI Tech Service - ASRock Dehumidifier Function - ASRock Easy RAID Installer - ASRock Easy Driver Installer - ASRock Interactive UEFI - ASRock Fast Boot - ASRock Restart to UEFI - ASRock USB Key - ASRock FAN-Tastic Tuning - Hybrid Booster: - CPU Frequency Stepless Control - ASRock U-COP - Boot Failure Guard (B.F.G.) - Good Night LED
Hardware Monitor	- CPU/Chassis Temperature Sensing - CPU/Chassis Tachometer - CPU/Chassis Quiet Fan (Allow Chassis Fan Speed Auto-Adjust by CPU Temperature) - CPU/Chassis Fan Multi-Speed Control - CASE OPEN detection - Voltage Monitoring: +12V, +5V, +3.3V, CPU Vcore
OS	- Microsoft® Windows® 8 / 8 64-bit / 7 / 7 64-bit compliant
Certifications	- FCC, CE, WHQL - ErP/EuP Ready (ErP/EuP ready power supply is required)
Accessories	- 1 x ASRock SLI_Bridge_2S Card - Quick Installation Guide, Support CD, I/O Shield - 2 x SATA Data Cables



Home Cloud

Intel® Ethernet

This motherboard supports remote wake with the onboard Intel LAN, so you can connect with your PC from anywhere in the world. You will be able to power your PC on or turn it off, monitor and take control of it remotely with another smartphone, tablet or computer.



2T2R Dual Band WiFi 802.11ac + BT v4.0 Support

This motherboard comes with an exclusive 802.11ac WiFi (5G WiFi) module that supports up to 867Mbps wireless networks and Bluetooth v4.0.



289% Speed Boost!

2T2R 802.11ac: 867 Mbps
2T2R 802.11n: 300 Mbps



Premium Gold Caps




Premium Gold Caps are 100% made in Japan; these solid capacitors are sleek, high gloss caps with a premium gold coating representing long life and stable performance.



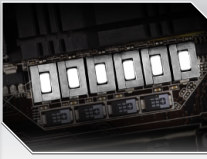
Digi Power VRM Design




By adopting digital Pulse-width modulation (PWM), the ASRock motherboard can provide CPU Vcore voltage more efficiently and smoothly.



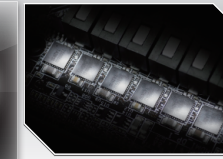
6 Power Phase Design



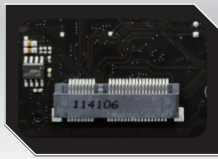
Designed with a 6 Power Phase Design, this motherboard features sturdy components and completely smooth power delivery to the CPU. Plus, it offers unmatched overclocking capabilities and enhanced performance with the lowest temperature for advanced gamers as well.



DrMOS



DrMOS is an advanced power supply solution for motherboards that provides more stable and smooth voltage, decreases power loss, boosts the system's response speed and also lowers the motherboard's temperature.



The mSATA connector can be used to connect a Solid State Drive (SSD) for internal storage. With an SSD paired with an HDD, users are able to feel the speed of SSD Caching with Intel Smart Response Technology.



This motherboard supports Triple-Monitor. You may choose up to three display interfaces to connect monitors and use them simultaneously.



DTS Connect is a blanket name for a two-part system, including DTS Interactive and DTS Neo:PC, it is used on the computer platform only, in order to convert PC audio into the DTS format.



ASRock's unique XFast 555 technology (XFast RAM, XFast LAN and XFast USB) allows users to experience 5 times performance boost in terms of system performance, LAN speed and USB transfer speed.



Configure different fan speeds for respective temperatures using the graph. The fans will automatically shift to the next speed level when the assigned temperature is met.



For users that don't have an optical disk drive to install the drivers from our support CD, Easy Driver Installer is a handy tool in the UEFI that installs the LAN driver to your system via an USB storage device, then downloads and installs the other required drivers automatically.



Just plug in the USB Key and let your computer log in to windows automatically without having to type your username and password!



Contact ASRock Tech Service by sending a support request form from the UEFI setup utility if you are having trouble with your PC.



With ASRock's exclusive Fast Boot technology, it takes less than 1.5 seconds* to logon to Windows 8 from a cold boot. No more waiting! The speedy boot will completely change your user experience and behavior.
*The boot time may vary with a different configuration.



ASRock "Restart to UEFI" technology is designed for those requiring frequent UEFI access. It allows users to easily enter the UEFI SETUP automatically when turning on the PC next time.



Users may prevent motherboard damages due to dampness by enabling "Dehumidifier Function". When enabling Dehumidifier Function, the computer will power on automatically to dehumidify the system after entering S4/S5 state.