Version 1.1
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This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

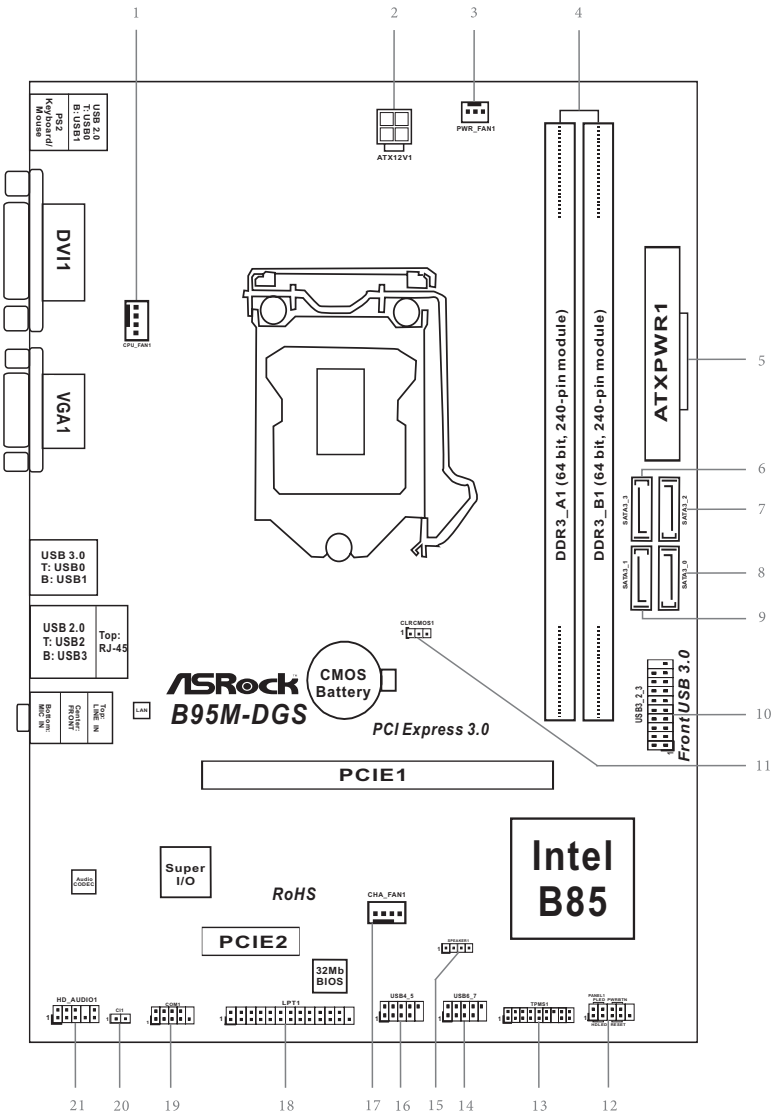
(1) this device may not cause harmful interference, and
(2) this device must accept any interference received, including interference that may cause undesired operation.

CALIFORNIA, USA ONLY

The Lithium battery adopted on this motherboard contains Perchlorate, a toxic substance controlled in Perchlorate Best Management Practices (BMP) regulations passed by the California Legislature. When you discard the Lithium battery in California, USA, please follow the related regulations in advance.
"Perchlorate Material-special handling may apply, see www.dtsc.ca.gov/hazardouswaste/perchlorate"

ASRock Website: http://www.asrock.com

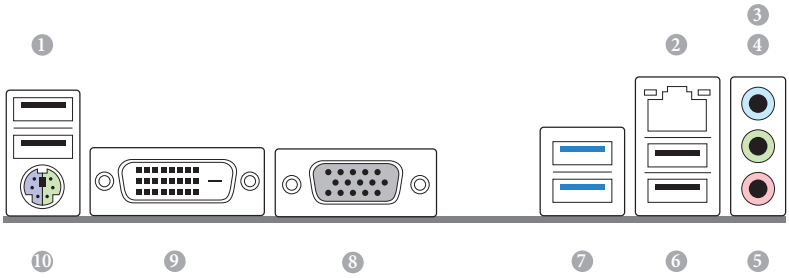
Motherboard Layout



English

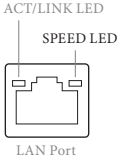
No.	Description
1	CPU Fan Connector (CPU_FAN1)
2	ATX 12V Power Connector (ATX12V1)
3	Power Fan Connector (PWR_FAN1)
4	2 x 240-pin DDR3 DIMM Slots (DDR3_A1, DDR3_B1)
5	ATX Power Connector (ATXPWR1)
6	SATA3 Connector (SATA3_3)
7	SATA3 Connector (SATA3_2)
8	SATA3 Connector (SATA3_0)
9	SATA3 Connector (SATA3_1)
10	USB 3.0 Header (USB3_2_3)
11	Clear CMOS Jumper (CLRCMOS1)
12	System Panel Header (PANEL1)
13	TPM Header (TPMS1)
14	USB 2.0 Header (USB6_7)
15	Chassis Speaker Header (SPEAKER1)
16	USB 2.0 Header (USB4_5)
17	Chassis Fan Connector (CHA_FAN1)
18	Print Port Header (LPT1)
19	COM Port Header (COM1)
20	Chassis Intrusion Header (CI1)
21	Front Panel Audio Header (HD_AUDIO1)

I/O Panel



No.	Description	No.	Description
1	USB 2.0 Ports (USB01)	6	USB 2.0 Ports (USB23)
2	LAN RJ-45 Port*	7	USB 3.0 Ports (USB3_01)
3	Line In (Light Blue)	8	D-Sub Port
4	Front Speaker (Lime)	9	DVI-D Port
5	Microphone (Pink)	10	PS/2 Mouse/Keyboard Port

** There are two LEDs on each LAN port. Please refer to the table below for the LAN port LED indications.*



Activity / Link LED		Speed LED	
Status	**Description**	**Status**	**Description**
Off	No Link	Off	10Mbps connection
Blinking	Data Activity	Orange	100Mbps connection
On	Link	Green	1Gbps connection

English

1 Introduction

Thank you for purchasing ASRock B95M-DGS motherboard, a reliable motherboard produced under ASRock's consistently stringent quality control. It delivers excellent performance with robust design conforming to ASRock's commitment to quality and endurance.

Because the motherboard specifications and the BIOS software might be updated, the content of this documentation will be subject to change without notice. In case any modifications of this documentation occur, the updated version will be available on ASRock's website without further notice. If you require technical support related to this motherboard, please visit our website for specific information about the model you are using. You may find the latest VGA cards and CPU support list on ASRock's website as well. ASRock website http://www.asrock.com.

1.1 Package Contents

- ASRock B95M-DGS Motherboard (Micro ATX Form Factor)
- ASRock B95M-DGS Quick Installation Guide
- ASRock B95M-DGS Support CD
- 2 x Serial ATA (SATA) Data Cables (Optional)
- 1 x I/O Panel Shield

1.2 Specifications

Platform	• Micro ATX Form Factor • Solid Capacitor design • High Density Glass Fabric PCB
CPU	• Supports New 4th and 4th Generation Intel® Core™ i7/i5/i3/ Xeon®/Pentium®/Celeron® Processors (Socket 1150) • Supports Intel® Turbo Boost 2.0 Technology
Chipset	• Intel® B85
Memory	• Dual Channel DDR3 Memory Technology • 2 x DDR3 DIMM Slots • Supports DDR3 1600/1333/1066 non-ECC, un-buffered memory • Max. capacity of system memory: 16GB (see CAUTION) • Supports Intel® Extreme Memory Profile (XMP) 1.3 / 1.2
Expansion Slot	• 1 x PCI Express 3.0 x16 Slot (PCIE1: x16 mode) • 1 x PCI Express 2.0 x1 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 • Dual graphics output: support DVI-D and D-Sub by independent display controllers • Supports DVI-D with max. resolution up to 1920x1200 @ 60Hz • Supports D-Sub with max. resolution up to 1920x1200 @ 60Hz • Supports HDCP with DVI-D Port • Supports Full HD 1080p Blu-ray (BD) playback with DVI-D Port

Audio	• 5.1 CH HD Audio (Realtek ALC662 Audio Codec) • Supports Surge Protection (ASRock Full Spike Protection) • ELNA Audio Caps
LAN	• PCIE x1 Gigabit LAN 10/100/1000 Mb/s • Realtek RTL8111GR • Supports Wake-On-WAN • Supports Wake-On-LAN • Supports Lightning/ESD Protection (ASRock Full Spike Protection) • Supports LAN Cable Detection • Supports Energy Efficient Ethernet 802.3az • Supports PXE
Rear Panel I/O	• 1 x PS/2 Mouse/Keyboard Port • 1 x D-Sub Port • 1 x DVI-D Port • 4 x USB 2.0 Ports (Supports ESD Protection (ASRock Full Spike Protection)) • 2 x USB 3.0 Ports (Supports ESD Protection (ASRock Full Spike Protection)) • 1 x RJ-45 LAN Port with LED (ACT/LINK LED and SPEED LED) • HD Audio Jacks: Line in / Front Speaker / Microphone
Storage	• 4 x SATA3 6.0 Gb/s Connectors, support NCQ, AHCI and Hot Plug
Connector	• 1 x Print Port Header • 1 x COM Port Header • 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 Power Fan Connector (3-pin) • 1 x 24 pin ATX Power Connector • 1 x 4 pin 12V Power Connector • 1 x Front Panel Audio Connector

	• 2 x USB 2.0 Headers (Support 4 USB 2.0 ports) (Supports ESD Protection (ASRock Full Spike Protection)) • 1 x USB 3.0 Header (Supports 2 USB 3.0 ports) (Supports ESD Protection (ASRock Full Spike Protection))
BIOS Feature	• 32Mb AMI UEFI Legal BIOS with multilingual GUI support • ACPI 1.1 Compliant wake up events • SMBIOS 2.3.1 support • CPU, DRAM, PCH 1.05V, PCH 1.5V Voltage multi-adjustment
Hardware Monitor	• CPU/Chassis temperature sensing • CPU/Chassis/Power Fan Tachometer • CPU/Chassis Quiet Fan (Auto adjust chassis fan speed by CPU temperature) • CPU/Chassis Fan multi-speed control • CASE OPEN detection • Voltage monitoring: +12V, +5V, +3.3V, CPU Vcore
OS	• Microsoft® Windows® 8.1 32-bit / 8.1 64-bit / 8 32-bit / 8 64-bit / 7 32-bit / 7 64-bit
Certifications	• FCC, CE, WHQL • ErP/EuP ready (ErP/EuP ready power supply is required)

** For detailed product information, please visit our website: http://www.asrock.com*

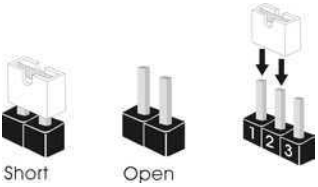
Please realize that there is a certain risk involved with overclocking, including adjusting the setting in the BIOS, applying Untied Overclocking Technology, or using third-party overclocking tools. Overclocking may affect your system's stability, or even cause damage to the components and devices of your system. It should be done at your own risk and expense. We are not responsible for possible damage caused by overclocking.

Due to limitation, the actual memory size may be less than 4GB for the reservation for system usage under Windows® 32-bit operating systems. Windows® 64-bit operating systems do not have such limitations. You can use ASRock XFast RAM to utilize the memory that Windows® cannot use.

English

1.3 Jumpers Setup

The illustration shows how jumpers are setup. When the jumper cap is placed on the pins, the jumper is "Short". If no jumper cap is placed on the pins, the jumper is "Open". The illustration shows a 3-pin jumper whose pin1 and pin2 are "Short" when a jumper cap is placed on these 2 pins.



Clear CMOS Jumper (CLRCMOS1) (see p.1, No. 11)	1_2 Default	2_3 Clear CMOS

CLRCMOS1 allows you to clear the data in CMOS. To clear and reset the system parameters to default setup, please turn off the computer and unplug the power cord from the power supply. After waiting for 15 seconds, use a jumper cap to short pin2 and pin3 on CLRCMOS1 for 5 seconds. However, please do not clear the CMOS right after you update the BIOS. If you need to clear the CMOS when you just finish updating the BIOS, you must boot up the system first, and then shut it down before you do the clear-CMOS action. Please be noted that the password, date, time, and user default profile will be cleared only if the CMOS battery is removed.

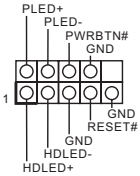
If you clear the CMOS, the case open may be detected. Please adjust the BIOS option "Clear Status" to clear the record of previous chassis intrusion status.

English

1.4 Onboard Headers and Connectors

Onboard headers and connectors are NOT jumpers. Do NOT place jumper caps over these headers and connectors. Placing jumper caps over the headers and connectors will cause permanent damage to the motherboard.

System Panel Header
(9-pin PANEL1)
(see p.1, No. 12)



Connect the power switch, reset switch and system status indicator on the chassis to this header according to the pin assignments below. Note the positive and negative pins before connecting the cables.

PWRBTN (Power Switch):
Connect to the power switch on the chassis front panel. You may configure the way to turn off your system using the power switch.

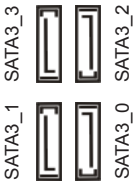
RESET (Reset Switch):
Connect to the reset switch on the chassis front panel. Press the reset switch to restart the computer if the computer freezes and fails to perform a normal restart.

PLED (System Power LED):
Connect to the power status indicator on the chassis front panel. The LED is on when the system is operating. The LED keeps blinking when the system is in S1/S3 sleep state. The LED is off when the system is in S4 sleep state or powered off (S5).

HDLED (Hard Drive Activity LED):
Connect to the hard drive activity LED on the chassis front panel. The LED is on when the hard drive is reading or writing data.

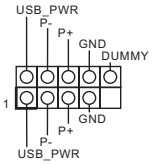
The front panel design may differ by chassis. A front panel module mainly consists of power switch, reset switch, power LED, hard drive activity LED, speaker and etc. When connecting your chassis front panel module to this header, make sure the wire assignments and the pin assignments are matched correctly.

Serial ATA3 Connectors
(SATA3_0:
see p.1, No. 8)
(SATA3_1:
see p.1, No. 9)
(SATA3_2:
see p.1, No. 7)
(SATA3_3:
see p.1, No. 6)



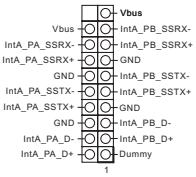
These four SATA3 connectors support SATA data cables for internal storage devices with up to 6.0 Gb/s data transfer rate.

USB 2.0 Headers
(9-pin USB4_5)
(see p.1, No. 16)
(9-pin USB6_7)
(see p.1, No. 14)



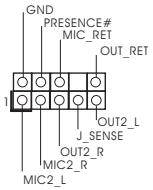
Besides four USB 2.0 ports on the I/O panel, there are two headers on this motherboard. Each USB 2.0 header can support two ports.

USB 3.0 Header
(19-pin USB3_2_3)
(see p.1, No. 10)



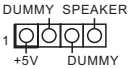
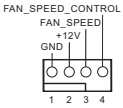
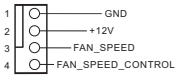
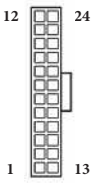
Besides two USB 3.0 ports on the I/O panel, there is one header on this motherboard. Each USB 3.0 header can support two ports.

Front Panel Audio Header
(9-pin HD_AUDIO1)
(see p.1, No. 21)

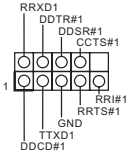
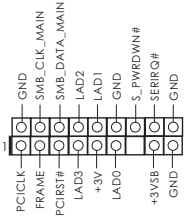


This header is for connecting audio devices to the front audio panel.

1. *High Definition Audio supports Jack Sensing, but the panel wire on the chassis must support HDA to function correctly. Please follow the instructions in our manual and chassis manual to install your system.*
2. *If you use an AC'97 audio panel, please install it to the front panel audio header by the steps below:*
   A. Connect Mic_IN (MIC) to MIC2_L.
   B. Connect Audio_R (RIN) to OUT2_R and Audio_L (LIN) to OUT2_L.
   C. Connect Ground (GND) to Ground (GND).
   D. MIC_RET and OUT_RET are for the HD audio panel only. You don't need to connect them for the AC'97 audio panel.
   E. To activate the front mic, go to the "FrontMic" Tab in the Realtek Control panel and adjust "Recording Volume".

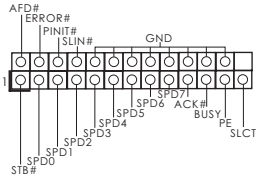
Chassis Speaker Header (4-pin SPEAKER1) (see p.1, No. 15)		Please connect the chassis speaker to this header.
Chassis and Power Fan Connectors (4-pin CHA_FAN1) (see p.1, No. 17) (3-pin PWR_FAN1) (see p.1, No. 3)	 	Please connect fan cables to the fan connectors and match the black wire to the ground pin.
CPU Fan Connector (4-pin CPU_FAN1) (see p.1, No. 1)		This motherboard provides a 4-Pin CPU fan (Quiet Fan) connector. If you plan to connect a 3-Pin CPU fan, please connect it to Pin 1-3.
ATX Power Connector (24-pin ATXPWR1) (see p.1, No. 5)		This motherboard provides a 24-pin ATX power connector. To use a 20-pin ATX power supply, please plug it along Pin 1 and Pin 13.

English

ATX 12V Power Connector (4-pin ATX12V1) (see p.1, No. 2)		Please connect an ATX 12V power supply to this connector.
Serial Port Header (9-pin COM1) (see p.1, No. 19)		This COM1 header supports a serial port module.
Chassis Intrusion Header (2-pin CI1) (see p.1, No. 20)		This motherboard supports CASE OPEN detection feature that detects if the chassis cove has been removed. This feature requires a chassis with chassis intrusion detection design.
TPM Header (17-pin TPMS1) (see p.1, No. 13)		This connector supports Trusted Platform Module (TPM) system, which can securely store keys, digital certificates, passwords, and data. A TPM system also helps enhance network security, protects digital identities, and ensures platform integrity.

English

Print Port Header
(25-pin LPT1)
(see p.1, No. 18)



This is an interface for print port cable that allows convenient connection of printer devices.

English

规格

平台	• Micro ATX 规格尺寸 • 固态电容器设计 • 高密度防潮纤维电路板
CPU	• 支持新款第 4 代和第 4 代 Intel® Core™ i7/i5/i3/Xeon®/Pentium®/Celeron® 处理器 (Socket 1150) • 支持 Intel® Turbo Boost 2.0 技术
芯片集	• Intel® B85
内存	• 双通道 DDR3 内存技术 • 2 x DDR3 DIMM 槽 • 支持 DDR3 1600/1333/1066 非 ECC，非缓冲内存 • 支持系统内存容量： 16GB • 支持 Intel® Extreme Memory Profile (XMP)1.3/1.2
扩充槽	• 1 x PCI Express 3.0 x16 槽 (PCIE1: x16 模式) • 1 x PCI Express 2.0 x1 槽
图形	• 只有 GPU 集成的处理器才支持 Intel® HD Graphics 内置视效和 VGA 输出。 • 支持 Intel® HD Graphics 内置视效 : Intel® 快速同步视频，采用 AVC、MVC (S3D) 和 MPEG-2 Full HW Encode1、Intel® InTru™ 3D、Intel® Clear Video HD 技术、Intel® Insider™、Intel® HD Graphics 4400/4600 • Pixel Shader 5.0、DirectX 11.1 • 最大共享内存 1792MB • 双重显示输出选项 : 通过独立显示控制器提供 DVI-D 和 D-Sub 接口 • 支持 DVI-D，60Hz 时最大分辨率达 1920x1200 • 支持 D-Sub，60Hz 时最大分辨率达 1920x1200 • 通过 DVI-D 端口支持 HDCP 功能 • 通过 DVI-D 端口支持全高清 1080p Blu-ray (BD) 播放

音频	• 5.1 CH 高清音频（Realtek ALC662 音频编解码器） • 支持防突波 (华擎全防护) • ELNA 专业音效电容
LAN	• PCIE x1 Gigabit LAN 10/100/1000 Mb/s • Realtek RTL8111GR • 支持远端開机功能 (Wake-On-WAN) • 支持 Wake-On-LAN（网上唤醒） • 支持防雷击 / 防 ESD 静电 (华擎全防护) • 支持网路綫侦测功能 • 支持高能效以太网 802.3az • 支持 PXE
后面板 I/O	• 1 x PS/2 鼠标 / 键盘端口 • 1 x D-Sub 端口 • 1 x DVI-D 端口 • 4 x USB 2.0 端口 (支持防 ESD 静电 (华擎全防护)) • 2 x USB 3.0 端口 (支持防 ESD 静电 (华擎全防护)) • 1 x RJ-45 LAN 端口，带 LED（ACT/LINK LED 和 SPEED LED） • 高清音频插孔 : 线路输入 / 前扬声器 / 麦克风
存储	• 4 x SATA3 6.0 Gb/s 接口，支持 NCQ、AHCI 和 “热插拔” 功能
接口	• 1 x 打印端口接脚 • 1 x COM 端口接脚 • 1 x 机箱侵入接脚 • 1 x TPM 接脚 • 1 x CPU 风扇接口 (4 针) • 1 x 机箱风扇接口 (4 针) • 1 x 电源风扇接口 (3 针) • 1 x 24 针 ATX 电源接口 • 1 x 4 针 12V 电源接口 • 1 x 前面板音频接口 • 2 x USB 2.0 接脚（支持 4 个 USB 2.0 端口）(支持防 ESD 静电 (华擎全防护))

	• 1 x USB 3.0 接脚（支持 2 个 USB 3.0 端口）(支持防 ESD 静电 (华擎全防护))
BIOS 功能特点	• 32Mb AMI UEFI Legal BIOS，具有多语言 GUI 支持 • ACPI 1.1 兼容唤醒事件 • SMBIOS 2.3.1 支持 • CPU、DRAM、PCH 1.05V、PCH 1.5V 电压多次调整（Voltage Multi-adjustment）
硬件监控	• CPU/ 机箱温度感测 • CPU/ 机箱 / 电源风扇转速计 • CPU/ 机箱静音风扇（可以按照 CPU 温度自动调整机箱风扇速度） • CPU/ 机箱风扇多种速度控制 • CASE OPEN（机箱打开）检测 • 电压监控： +12V、+5V、+3.3V、CPU Vcore
操作系统	• Microsoft® Windows® 8.1 32-bit / 8.1 64-bit / 8 32-bit / 8 64-bit / 7 32-bit / 7 64-bit
认证	• FCC、CE、WHQL • ErP/EuP 支持（需要支持 ErP/EuP 的电源）

電子信息產品污染控制標示

依据中国发布的「电子信息产品污染控制管理办法」及 SJ/T 11364-2006「电子信息产品污染控制标示要求」，电子信息产品应进行标示，藉以向消费者揭露产品中含有的有毒有害物质或元素不致发生外泄或突变从而对环境造成污染或对人身、财产造成严重损害的期限。依上述规定，您可于本产品之印刷电路板上看见图一之标示。图一中之数字为产品之环保使用期限。由此可知此主板之环保使用期限为 10 年。

图一

有毒有害物質或元素的名稱及含量說明

若您欲了解此产品的有毒有害物质或元素的名称及含量说明，请参照以下表格及说明。

部件名称	有害物质或元素					
	铅 (Pb)	镉 (Cd)	汞 (Hg)	六价铬 (Cr(VI))	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
印刷电路板及电子组件	X	O	O	O	O	O
外部信号连接头及线材	X	O	O	O	O	O

O: 表示该有毒有害物质在该部件所有均质材料中的含量均在 SJ/T 11363-2006 标准规定的限量要求以下。
X: 表示该有毒有害物质至少在该部件的某一均质材料中的含量超出 SJ/T 11363-2006 标准规定的限量要求，然该部件仍符合欧盟指令 2002/95/EC 的规范。
备注： 此产品所标示之环保使用年限，系指在一般正常使用状况下。

規格

平台	• Micro ATX 尺寸 • 固態電容設計 • 高密度防潮纖維電路板
CPU	• 支援全新第 4 代及第 4 代 Intel® Core™ i7/i5/i3/Xeon®/Pentium®/Celeron® 處理器 (Socket 1150) • 支援 Intel® Turbo Boost 2.0 技術
晶片組	• Intel® B85
記憶體	• 雙通道 DDR3 記憶體技術 • 2 x DDR3 DIMM 插槽 • 支援 DDR3 1600/1333/1066 非 ECC、無緩衝記憶體 • 最大系統記憶體容量： 16GB • 支援 Intel® Extreme Memory Profile (XMP)1.3/1.2
擴充插槽	• 1 x PCI Express 3.0 x16 插槽（PCIE1： x16 模式） • 1 x PCI Express 2.0 x1 插槽
顯示卡	• 僅限整合 GPU 的處理器才可支援 Intel® HD Graphics Built-in Visuals 及 VGA 輸出。 • 支援 Intel® HD Graphics Built-in Visuals： 轉換 AVC、MVC (S3D) 及 MPEG-2 Full HW Encode1 的 Intel® 高速影像同步轉檔技術、Intel® InTru™ 3D、Intel® Clear Video HD Technology、Intel® Insider™、Intel® HD Graphics 4400/4600 • Pixel Shader 5.0，DirectX 11.1 • 最大共用記憶體 1792MB • 雙顯示輸出 : 透過獨立顯示控制器提供 DVI-D 和 D-Sub 接口 • 支援最高達 1920x1200 @ 60Hz 解析度的 DVI-D • 支援最高達 1920x1200 @ 60Hz 解析度的 D-Sub • 支援含 DVI-D 連接埠的 HDCP 功能 • 支援透過 DVI-D 連接埠的 Full HD 1080p Blu-ray (BD) 播放

音訊	• 5.1 CH HD 音訊（Realtek ALC662 音訊轉碼器）功能 • 支援防突波 (ASRock 全防護) • ELNA 音效專用電容
LAN	• PCIE x1 Gigabit LAN 10/100/1000 Mb/s • Realtek RTL8111GR • 支援 Wake-On-WAN • 支援網路喚醒 • 支援防雷擊 / 防 ESD 靜電 (ASRock 全防護) • 支援網路線偵測功能 • 支援 Energy Efficient Ethernet 802.3az • 支援 PXE
後面板 I/O	• 1 x PS/2 滑鼠／鍵盤連接埠 • 1 x D-Sub 連接埠 • 1 x DVI-D 連接埠 • 4 x USB 2.0 連接埠 (支援防 ESD 靜電 (ASRock 全防護) • 2 x USB 3.0 連接埠 (支援防 ESD 靜電 (ASRock 全防護) • 1 x RJ-45 LAN 連接埠，含 LED（ACT/LINK LED 及 SPEED LED） • HD 音訊插孔： 線路輸入／前置喇叭／麥克風
儲存裝置	• 4 x SATA3 6.0 Gb/s 接頭，支援 NCQ、AHCI 及「熱插拔」功能
接頭	• 1 x 列印連接埠標頭 • 1 x COM 連接埠標頭 • 1 x 機殼防護標頭 • 1 x TPM 標頭 • 1 x CPU 風扇接頭 (4-pin) • 1 x 機殼風扇接頭 (4-pin) • 1 x 電源風扇接頭 (3-pin) • 1 x 24 pin ATX 電源接頭 • 1 x 4 pin 12V 電源接頭 • 1 x 前面板音訊接頭 • 2 x USB 2.0 標頭（支援 4 USB 2.0 連接埠）(支援防 ESD 靜電 (ASRock 全防護) • 1 x USB 3.0 標頭（支援 2 USB 3.0 連接埠）(支援防 ESD 靜電 (ASRock 全防護)

BIOS 功能	• 32Mb AMI UEFI Legal BIOS 含 多語 GUI 支援 • ACPI 1.1 符合喚醒自動開機 • 支援 SMBIOS 2.3.1 • CPU、DRAM、PCH 1.05V、PCH 1.5V 電壓多重調整
硬體監視器	• CPU ／機殼溫度感應 • CPU ／機殼／電源風扇轉速計 • CPU ／機殼靜音風扇（允許按照 CPU 溫度自動調整機殼風扇速度） • CPU ／機殼風扇多重速度控制 • 機殼開啟偵測 • 電壓監控： +12V、+5V、+3.3V、CPU Vcore
作業系統	• Microsoft® Windows® 8.1 32 位元 /8.1 64 位元 /8 32 位元 /8 64 位元 /7 32 位元 /7 64 位元
認證	• FCC、CE、WHQL • ErP/EuP Ready（需具備 ErP/EuP ready 電源供應器）

Spesifikasi

Platform	• Bentuk dan Ukuran Micro ATX • Desain Kapasitor Solid • PCB Serat Kaca dengan Kerapatan Tinggi
CPU	• Mendukung Prosesor Intel® Core™ i7/i5/i3/Xeon®/Pentium®/ Celeron® Generasi ke-4 Baru, dan ke-4 (Soket 1150) • Mendukung Teknologi Intel® Turbo Boost 2.0
Chipset	• Intel® B85
Memori	• Teknologi Memori DDR3 Kanal Ganda • 2 x Slot DDR3 DIMM • Mendukung DDR3 1600/1333/1066 non-ECC, memori tanpa buffer • Kapasitas maksimum memori sistem: 16GB • Mendukung Intel® Extreme Memory Profile (XMP)1.3/1.2
Slot Ekspansi	• 1 x Slot PCI Express 3.0 x16 (PCIE1: x16 mode) • 1 x Slot PCI Express 2.0 x1
Grafis	• Intel® HD Graphics Built-in Visuals dan output VGA hanya didukung dengan prosesor yang terintegrasi GPU. • Mendukung Intel® HD Graphics Built-in Visuals: Intel® Quick Sync Video dengan AVC, MVC (S3D), dan MPEG-2 Full HW Encode1, Intel® InTru™ 3D, Teknologi Intel® Clear Video HD, Intel® Insider™, Intel® HD Graphics 4400/4600 • Pixel Shader 5.0, DirectX 11.1 • Memori bersama maksimum 1792MB • Output VGA Ganda: mendukung port DVI-D dan D-Sub • Mendukung DVI-D dengan resolusi maksimum hingga 1920x1200 @ 60Hz • Mendukung D-Sub dengan resolusi maksimum hingga 1920x1200 @ 60Hz • Mendukung fungsi HDCP dengan port DVI-D • Mendukung pemutaran Full HD 1080p Blu-ray (BD) dengan port DVI-D

Audio	• Audio HD 5.1 CH (Realtek ALC662 Audio Codec) • Mendukung Perlindungan Lonjakan Arus (ASRock Full Spike Protection) • ELNA Audio Caps
LAN	• PCIE x1 Gigabit LAN 10/100/1000 Mb/s • Realtek RTL8111GR • Menggunakan Wake-On-WAN • Mendukung Wake-On-LAN • Mendukung Perlindungan Petir/ESD (Perlindungan Penuh Lonjakan Tegangan ASRock) • Mendukung Deteksi Kabel LAN • Mendukung Energy Efficient Ethernet 802.3az • Mendukung PXE
Panel I/O Belakang	• 1 x Port Mouse/Keyboard PS/2 • 1 x Port D-Sub • 1 x Port DVI-D • 4 x Port USB 2.0 (Mendukung Perlindungan ESD (ASRock Full Spike Protection)) • 2 x Port USB 3.0 (Mendukung Perlindungan ESD (ASRock Full Spike Protection)) • 1 x Port LAN RJ-45 dengan LED (ACT/LINK LED dan SPEED LED) • Soket Audio HD: Saluran masuk/Speaker Depan/Mikrofon
Penyimpanan	• 4 x Konektor SATA3 6,0 Gb/s, mendukung fungsi NCQ, AHCI, dan “Hot Plug”
Konektor	• 1 x Header port Cetak • 1 x Header port COM • 1 x Header Intrusi Chassis • 1 x Header TPM • 1 x Konektor kipas CPU (4-pin) • 1 x Konektor kipas chassis (4-pin) • 1 x Konektor kipas daya (3-pin) • 1 x Konektor daya ATX 24 pin • 1 x Konektor daya 12V 4 pin • 1 x Konektor audio panel depan

	• 2 x Header USB 2.0 (mendukung 4 port USB 2.0) (Mendukung Perlindungan ESD (ASRock Full Spike Protection)) • 1 x Header USB 3.0 (mendukung 2 port USB 3.0) (Mendukung Perlindungan ESD (ASRock Full Spike Protection))
Fitur BIOS	• 32Mb AMI UEFI Legal BIOS dengan dukungan GUI Multibahasa • ACPI 1.1 Kompatibel dengan Aktivitas Pengaktifan • Dukugan SMBIOS 2.3.1 • Multipengatur Tegangan CPU, DRAM, PCH 1,05V, PCH 1,5V
Perangkat Keras Monitor	• Sensor Suhu CPU/Chassis • Takometer CPU/Chassis/Kipas Daya • Kipas Hening CPU/Chassis (Memungkinkan Penyesuaian Otomatis Kecepatan Kipas Chassis Berdasarkan Suhu CPU) • Kontrol Multikecepatan Kipas CPU/Chassis • Deteksi CASE OPEN • Pemantauan Tegangan: +12V, +5V, +3,3V, CPU Vcore
OS	• Microsoft® Windows® 8.1 32-bit / 8.1 64-bit / 8 32-bit / 8 64-bit / 7 32-bit / 7 64-bit
Sertifikasi	• FCC, CE, WHQL • Siap untuk ErP/EuP (memerlukan catu daya untuk ErP/EuP)

Contact Information

If you need to contact ASRock or want to know more about ASRock, you're welcome to visit ASRock's website at http://www.asrock.com; or you may contact your dealer for further information. For technical questions, please submit a support request form at http://www.asrock.com/support/tsd.asp

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