

GA-J1800M-D3P

GA-J1900M-D3P

User's Manual

Rev. 1201

GA-J1800M-D3P



GA-J1900M-D3P



For more product details, please visit GIGABYTE's website.



To reduce the impacts on global warming, the packaging materials of this product are recyclable and reusable. GIGABYTE works with you to protect the environment.

Copyright

© 2022 GIGA-BYTE TECHNOLOGY CO., LTD. All rights reserved.

The trademarks mentioned in this manual are legally registered to their respective owners.

Disclaimer

Information in this manual is protected by copyright laws and is the property of GIGABYTE. Changes to the specifications and features in this manual may be made by GIGABYTE without prior notice. No part of this manual may be reproduced, copied, translated, transmitted, or published in any form or by any means without GIGABYTE's prior written permission.

- In order to assist in the use of this product, carefully read the User's Manual.
- For product-related information, check on our website at: <https://www.gigabyte.com>

Identifying Your Motherboard Revision

The revision number on your motherboard looks like this: "REV: X.X." For example, "REV: 1.0" means the revision of the motherboard is 1.0. Check your motherboard revision before updating motherboard BIOS, drivers, or when looking for technical information.

Example:

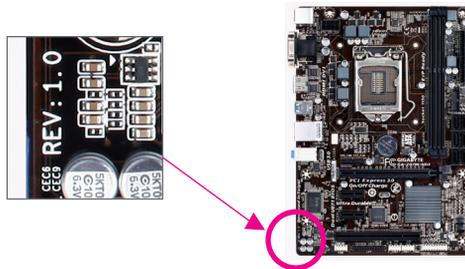
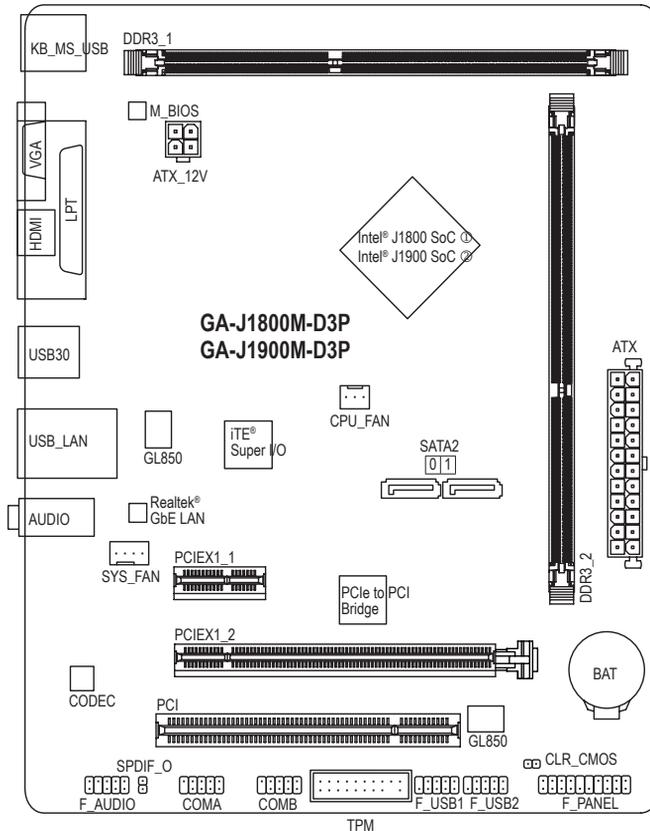


Table of Contents

GA-J1800M-D3P/GA-J1900M-D3P Motherboard Layout	4
GA-J1800M-D3P/GA-J1900M-D3P Motherboard Block Diagram.....	5
Chapter 1 Hardware Installation	6
1-1 Installation Precautions	6
1-2 Product Specifications	7
1-3 Installing the Memory	9
1-4 Installing an Expansion Card.....	9
1-5 Back Panel Connectors	9
1-6 Internal Connectors	11
Chapter 2 BIOS Setup	16
2-1 Startup Screen.....	16
2-2 Main	17
2-3 Advanced.....	18
2-4 Chipset.....	22
2-5 Security.....	23
2-6 Boot.....	25
2-7 Save & Exit	26
Chapter 3 Appendix.....	27
Drivers Installation	27
Regulatory Notices	28
Contact Us	29

GA-J1800M-D3P/GA-J1900M-D3P Motherboard Layout



Box Contents

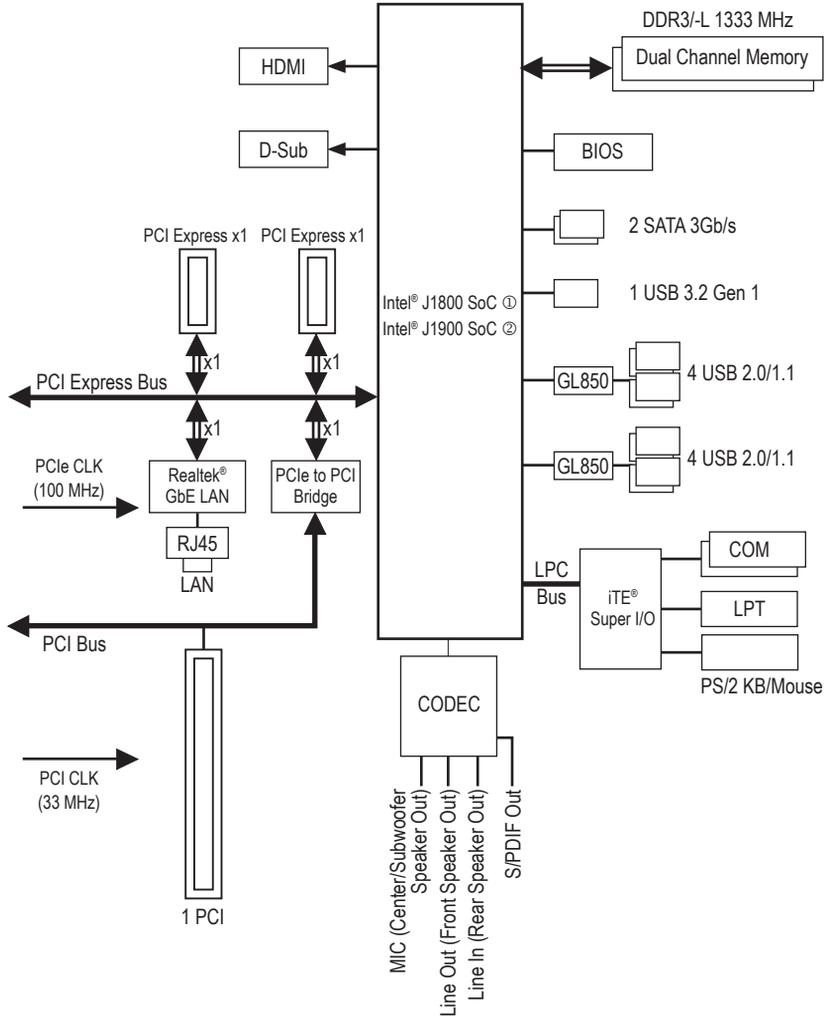
- GA-J1800M-D3P or GA-J1900M-D3P motherboard
- Motherboard driver disc
- User's Manual
- Two SATA cables
- I/O Shield

The box contents above are for reference only and the actual items shall depend on the product package you obtain. The box contents are subject to change without notice.

① Only for GA-J1800M-D3P.

② Only for GA-J1900M-D3P.

GA-J1800M-D3P/GA-J1900M-D3P Motherboard Block Diagram



- ① Only for GA-J1800M-D3P.
- ② Only for GA-J1900M-D3P.



For detailed product information/limitation(s), refer to "1-2 Product Specifications."

Chapter 1 Hardware Installation

1-1 Installation Precautions

The motherboard contains numerous delicate electronic circuits and components which can become damaged as a result of electrostatic discharge (ESD). Prior to installation, carefully read the user's manual and follow these procedures:

- Prior to installation, make sure the chassis is suitable for the motherboard.
- Prior to installation, do not remove or break motherboard S/N (Serial Number) sticker or warranty sticker provided by your dealer. These stickers are required for warranty validation.
- Always remove the AC power by unplugging the power cord from the power outlet before installing or removing the motherboard or other hardware components.
- When connecting hardware components to the internal connectors on the motherboard, make sure they are connected tightly and securely.
- When handling the motherboard, avoid touching any metal leads or connectors.
- It is best to wear an electrostatic discharge (ESD) wrist strap when handling electronic components such as a motherboard, CPU or memory. If you do not have an ESD wrist strap, keep your hands dry and first touch a metal object to eliminate static electricity.
- Prior to installing the motherboard, please have it on top of an antistatic pad or within an electrostatic shielding container.
- Before unplugging the power supply cable from the motherboard, make sure the power supply has been turned off.
- Before turning on the power, make sure the power supply voltage has been set according to the local voltage standard.
- Before using the product, please verify that all cables and power connectors of your hardware components are connected.
- To prevent damage to the motherboard, do not allow screws to come in contact with the motherboard circuit or its components.
- Make sure there are no leftover screws or metal components placed on the motherboard or within the computer casing.
- Do not place the computer system on an uneven surface.
- Do not place the computer system in a high-temperature environment.
- Turning on the computer power during the installation process can lead to damage to system components as well as physical harm to the user.
- If you are uncertain about any installation steps or have a problem related to the use of the product, please consult a certified computer technician.

1-2 Product Specifications

	CPU	<ul style="list-style-type: none"> ◆ Built in with an Intel® Dual-Core Celeron® J1800 SoC (2.41 GHz) ① ◆ Built in with an Intel® Quad-Core Celeron® J1900 SoC (2.0 GHz) ② <ul style="list-style-type: none"> * Do not disassemble the onboard SoC and the heatsinks by yourself to avoid damage to these components. ◆ 1 MB Cache ① ◆ 2 MB Cache ②
	Memory	<ul style="list-style-type: none"> ◆ 2 x DDR3 DIMM sockets supporting up to 16 GB of system memory <ul style="list-style-type: none"> * Due to a Windows 32-bit operating system limitation, when more than 4 GB of physical memory is installed, the actual memory size displayed will be less than the size of the physical memory installed. ◆ Dual channel memory architecture ◆ Support for DDR3/-L 1333 MHz memory modules ◆ Support for non-ECC memory modules
	Onboard Graphics	<ul style="list-style-type: none"> ◆ Integrated in the SoC: <ul style="list-style-type: none"> - 1 x D-Sub port, supporting a maximum resolution of 2560x1600 - 1 x HDMI port, supporting a maximum resolution of 1920x1200
	Audio	<ul style="list-style-type: none"> ◆ Realtek® Audio CODEC ◆ High Definition Audio ◆ 2/4/5.1/7.1-channel <ul style="list-style-type: none"> * To configure 7.1-channel audio, you have to use an HD front panel audio module and enable the multi-channel audio feature through the audio driver. ◆ Support for S/PDIF Out
	LAN	<ul style="list-style-type: none"> ◆ Realtek® GbE LAN chip (1 Gbps/100 Mbps)
	Expansion Slots	<ul style="list-style-type: none"> ◆ 1 x PCI Express x16 slot, running at x1 (PCIEX1_2) ◆ 1 x PCI Express x1 slot ◆ 1 x PCI slot
	Storage Interface	<ul style="list-style-type: none"> ◆ Integrated in the SoC: <ul style="list-style-type: none"> - 2 x SATA 3Gb/s connectors
	USB	<ul style="list-style-type: none"> ◆ Integrated in the SoC: <ul style="list-style-type: none"> - 1 x USB 3.2 Gen 1 port on the back panel ◆ SoC + GL850 USB 2.0 Hub: <ul style="list-style-type: none"> - 8 x USB 2.0/1.1 ports (4 ports on the back panel, 4 ports available through the internal USB headers)
	Internal Connectors	<ul style="list-style-type: none"> ◆ 1 x 24-pin ATX main power connector ◆ 1 x 4-pin ATX 12V power connector ◆ 2 x SATA 3Gb/s connectors ◆ 1 x CPU fan header ◆ 1 x system fan header ◆ 1 x front panel header ◆ 1 x front panel audio header ◆ 1 x S/PDIF Out header ◆ 2 x USB 2.0/1.1 headers ◆ 2 x serial port headers ◆ 1 x Trusted Platform Module (TPM) header ◆ 1 x Clear CMOS jumper

① Only for GA-J1800M-D3P.

② Only for GA-J1900M-D3P.

 Back Panel Connectors	<ul style="list-style-type: none"> ◆ 1 x PS/2 keyboard/mouse port ◆ 1 x D-Sub port ◆ 1 x HDMI port ◆ 1 x parallel port ◆ 1 x USB 3.2 Gen 1 port ◆ 4 x USB 2.0/1.1 ports ◆ 1 x RJ-45 port ◆ 3 x audio jacks
 I/O Controller	<ul style="list-style-type: none"> ◆ iTE® I/O Controller Chip
 Hardware Monitor	<ul style="list-style-type: none"> ◆ System voltage detection ◆ CPU/System temperature detection ◆ CPU/System fan speed detection ◆ CPU/System fan speed control <ul style="list-style-type: none"> * Whether the fan speed control function is supported will depend on the cooler you install.
 BIOS	<ul style="list-style-type: none"> ◆ 1 x 64 Mbit flash ◆ Use of licensed AMI UEFI BIOS ◆ PnP 1.0a, DMI 2.7, WfM 2.0, SM BIOS 2.7, ACPI 5.0
 Unique Features	<ul style="list-style-type: none"> ◆ Support for Xpress Install ◆ Support for @BIOS ◆ Support for APP Center <ul style="list-style-type: none"> * Available applications in APP Center may differ by motherboard model. Supported functions of each application may also differ depending on motherboard specifications. ◆ Support for ON/OFF Charge
 Bundled Software	<ul style="list-style-type: none"> ◆ Norton® Internet Security (OEM version) ◆ Intel® Smart Connect Technology
 Operating System	<ul style="list-style-type: none"> ◆ Support for Windows 8.1/8/7
 Form Factor	<ul style="list-style-type: none"> ◆ Micro ATX Form Factor; 22.6cm x 18.0cm

* GIGABYTE reserves the right to make any changes to the product specifications and product-related information without prior notice.



Please visit the **SupportUtility** page on GIGABYTE's website to download the latest version of apps.

1-3 Installing the Memory



Read the following guidelines before you begin to install the memory:

- Make sure that the motherboard supports the memory. It is recommended that memory of the same capacity, brand, speed, and chips be used. (Go to GIGABYTE's website for the latest supported memory speeds and memory modules.)
- Always turn off the computer and unplug the power cord from the power outlet before installing the memory to prevent hardware damage.
- Memory modules have a foolproof design. A memory module can be installed in only one direction. If you are unable to insert the memory, switch the direction.

Dual Channel Memory Configuration

This motherboard provides two DDR3 memory sockets and supports Dual Channel Technology. After the memory is installed, the BIOS will automatically detect the specifications and capacity of the memory. Enabling Dual Channel memory mode will double the original memory bandwidth.

The two DDR3 memory sockets are divided into two channels and each channel has one memory socket as following:

▶▶ Channel A: DDR3_1

▶▶ Channel B: DDR3_2

Due to SoC limitations, read the following guidelines before installing the memory in Dual Channel mode.

1. If only one DDR3 memory module is to be installed, be sure to install it in the DDR3_1 socket, and Dual Channel mode cannot be enabled if only one memory module is installed.
2. When enabling Dual Channel mode with two memory modules, it is recommended that memory of the same capacity, brand, speed, and chips be used for optimum performance.

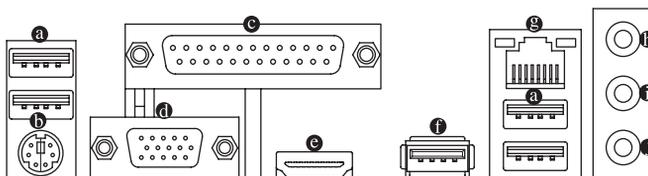
1-4 Installing an Expansion Card



Read the following guidelines before you begin to install an expansion card:

- Make sure the motherboard supports the expansion card. Carefully read the manual that came with your expansion card.
- Always turn off the computer and unplug the power cord from the power outlet before installing an expansion card to prevent hardware damage.

1-5 Back Panel Connectors



a USB 2.0/1.1 Port

The USB port supports the USB 2.0/1.1 specification. Use this port for USB devices such as a USB keyboard/mouse, USB printer, USB flash drive and etc.

b PS/2 Keyboard/Mouse Port

Use this port to connect a PS/2 mouse or keyboard.

c Parallel Port

Use the parallel port to connect devices such as a printer, scanner and etc. The parallel port is also called a printer port.

④ D-Sub Port

The D-Sub port supports a 15-pin D-Sub connector and supports a maximum resolution of 2560x1600 (the actual resolutions supported depend on the monitor being used). Connect a monitor that supports D-Sub connection to this port.

④ HDMI Port

HDMI™ The HDMI port is HDCP compliant and supports Dolby True HD and DTS HD Master Audio formats. It also supports up to 192KHz/24bit 8-channel LPCM audio output. You can use this port to connect your HDMI-supported monitor. The maximum supported resolution is 1920x1200, but the actual resolutions supported are dependent on the monitor being used.



After installing the HDMI device, make sure to set the default sound playback device to HDMI.

Dual Display Configurations for the Onboard Graphics:

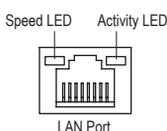
Dual-display configurations are supported after you install motherboard drivers in OS, but not during the BIOS Setup or POST process.

④ USB 3.2 Gen 1 Port

The USB 3.0 port supports the USB 3.0 specification and is compatible to the USB 2.0/1.1 specification. Use this port for USB devices such as a USB keyboard/mouse, USB printer, USB flash drive and etc.

④ RJ-45 LAN Port

The Gigabit Ethernet LAN port provides Internet connection at up to 1 Gbps data rate. The following describes the states of the LAN port LEDs.



Speed LED:

State	Description
Orange	1 Gbps data rate
Green	100 Mbps data rate
Off	10 Mbps data rate

Activity LED:

State	Description
Blinking	Data transmission or receiving is occurring
Off	No data transmission or receiving is occurring

④ Line In/Rear Speaker Out (Blue)

The line in jack. Use this audio jack for line in devices such as an optical drive, walkman, etc.

④ Line Out/Front Speaker Out (Green)

The line out jack.

④ Mic In/Center/Subwoofer Speaker Out (Pink)

The Mic in jack.



- You can change the functionality of an audio jack using the audio software.
- To configure 7.1-channel audio, you need to open the audio software and select Device advanced settings > Playback Device to change the default setting first.

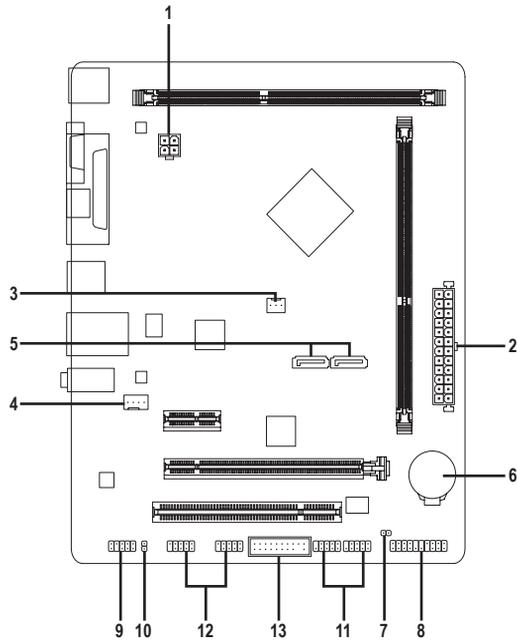


- When removing the cable connected to a back panel connector, first remove the cable from your device and then remove it from the motherboard.
- When removing the cable, pull it straight out from the connector. Do not rock it side to side to prevent an electrical short inside the cable connector.



Please visit GIGABYTE's website for details on configuring the audio software.

1-6 Internal Connectors



1) ATX_12V	8) F_PANEL
2) ATX	9) F_AUDIO
3) CPU_FAN	10) SPDIF_O
4) SYS_FAN	11) F_USB1/F_USB2
5) SATA2 0/1	12) COMA/COMB
6) BAT	13) TPM
7) CLR_CMOS	



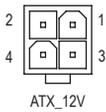
Read the following guidelines before connecting external devices:

- First make sure your devices are compliant with the connectors you wish to connect.
- Before installing the devices, be sure to turn off the devices and your computer. Unplug the power cord from the power outlet to prevent damage to the devices.
- After installing the device and before turning on the computer, make sure the device cable has been securely attached to the connector on the motherboard.

1/2) ATX_12V/ATX (2x2 12V Power Connector and 2x12 Main Power Connector)

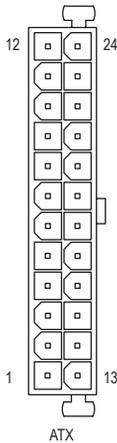
With the use of the power connector, the power supply can supply enough stable power to all the components on the motherboard. Before connecting the power connector, first make sure the power supply is turned off and all devices are properly installed. The power connector possesses a foolproof design. Connect the power supply cable to the power connector in the correct orientation.

The 12V power connector mainly supplies power to the CPU. If the 12V power connector is not connected, the computer will not start.



ATX_12V:

Pin No.	Definition
1	GND
2	GND
3	+12V
4	+12V



ATX:

Pin No.	Definition	Pin No.	Definition
1	3.3V	13	3.3V
2	3.3V	14	-12V
3	GND	15	GND
4	+5V	16	PS_ON (soft On/Off)
5	GND	17	GND
6	+5V	18	GND
7	GND	19	GND
8	Power Good	20	-5V
9	5VSB (stand by +5V)	21	+5V
10	+12V	22	+5V
11	+12V (Only for 2x12-pin ATX)	23	+5V (Only for 2x12-pin ATX)
12	3.3V (Only for 2x12-pin ATX)	24	GND (Only for 2x12-pin ATX)

3/4) CPU_FAN/SYS_FAN (Fan Headers)

The motherboard has a 3-pin CPU fan header (CPU_FAN) and a 4-pin system fan header (SYS_FAN). Most fan headers possess a foolproof insertion design. When connecting a fan cable, be sure to connect it in the correct orientation (the black connector wire is the ground wire). The speed control function requires the use of a fan with fan speed control design. For optimum heat dissipation, it is recommended that a system fan be installed inside the chassis.



CPU_FAN:

Pin No.	Definition
1	GND
2	Speed Control
3	Sense



SYS_FAN:

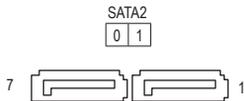
Pin No.	Definition
1	GND
2	Speed Control
3	Sense
4	VCC



These fan headers are not configuration jumper blocks. Do not place a jumper cap on the headers.

5) SATA2 0/1 (SATA 3Gb/s Connectors)

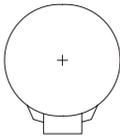
The SATA connectors conform to SATA 3Gb/s standard and are compatible with SATA 1.5Gb/s standard. Each SATA connector supports a single SATA device.



Pin No.	Definition
1	GND
2	TXP
3	TXN
4	GND
5	RXN
6	RXP
7	GND

6) BAT (Battery)

The battery provides power to keep the values (such as BIOS configurations, date, and time information) in the CMOS when the computer is turned off. Replace the battery when the battery voltage drops to a low level, or the CMOS values may not be accurate or may be lost.



You may clear the CMOS values by removing the battery:

1. Turn off your computer and unplug the power cord.
2. Gently remove the battery from the battery holder and wait for one minute. (Or use a metal object like a screwdriver to touch the positive and negative terminals of the battery holder, making them short for 5 seconds.)
3. Replace the battery.
4. Plug in the power cord and restart your computer.



- Always turn off your computer and unplug the power cord before replacing the battery.
- Replace the battery with an equivalent one. Danger of explosion if the battery is replaced with an incorrect model.
- Contact the place of purchase or local dealer if you are not able to replace the battery by yourself or uncertain about the battery model.
- When installing the battery, note the orientation of the positive side (+) and the negative side (-) of the battery (the positive side should face up).
- Used batteries must be handled in accordance with local environmental regulations.

7) CLR_CMOS (Clear CMOS Jumper)

Use this jumper to clear the BIOS configuration and reset the CMOS values to factory defaults. To clear the CMOS values, use a metal object like a screwdriver to touch the two pins for a few seconds.

 Open: Normal

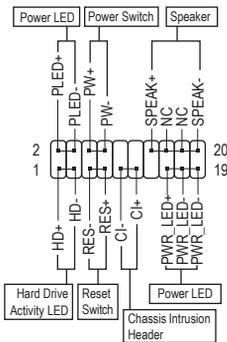
 Short: Clear CMOS Values



- Always turn off your computer and unplug the power cord from the power outlet before clearing the CMOS values.
- After system restart, go to BIOS Setup to load factory defaults (select Load Optimized Defaults) or manually configure the BIOS settings (refer to Chapter 2, "BIOS Setup," for BIOS configurations).

8) F_PANEL (Front Panel Header)

Connect the power switch, reset switch, speaker, 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.



- **PLED/PWR_LED (Power LED):**

System Status	LED
S0	On
S3/S4/S5	Off

Connects to the power status indicator on the chassis front panel. The LED is on when the system is operating. The LED is off when the system is in S3/S4 sleep state or powered off (S5).

- **PW (Power Switch):**

Connects to the power switch on the chassis front panel. You may configure the way to turn off your system using the power switch (refer to Chapter 2, "BIOS Setup," "Power Management," for more information).

- **SPEAK (Speaker):**

Connects to the speaker on the chassis front panel. The system reports system startup status by issuing a beep code. One single short beep will be heard if no problem is detected at system startup.

- **HD (Hard Drive Activity LED):**

Connects to the hard drive activity LED on the chassis front panel. The LED is on when the hard drive is reading or writing data.

- **RES (Reset Switch):**

Connects 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.

- **CI (Chassis Intrusion Header):**

Connects to the chassis intrusion switch/sensor on the chassis that can detect if the chassis cover has been removed. This function requires a chassis with a chassis intrusion switch/sensor.

- **NC:** No connection.



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.

9) F_AUDIO (Front Panel Audio Header)

The front panel audio header supports High Definition audio (HD). You may connect your chassis front panel audio module to this header. Make sure the wire assignments of the module connector match the pin assignments of the motherboard header. Incorrect connection between the module connector and the motherboard header will make the device unable to work or even damage it.



Pin No.	Definition	Pin No.	Definition
1	MIC L	6	MIC Detection
2	GND	7	SENSE_SEND
3	MIC R	8	No Pin
4	NC	9	Head Phone L
5	Head Phone R	10	Head Phone Detection



Some chassis provide a front panel audio module that has separated connectors on each wire instead of a single plug. For information about connecting the front panel audio module that has different wire assignments, please contact the chassis manufacturer.

10) SPDIF_O (S/PDIF Out Header)

This header supports S/PDIF digital output, which allows you to connect a S/PDIF digital audio cable to output digital audio from your motherboard to the supported audio devices. For information about connecting the digital audio cable, carefully read the manual for your audio devices.



Pin No.	Definition
1	SPDIFO
2	GND

11) F_USB1/F_USB2 (USB 2.0/1.1 Headers)

The headers conform to USB 2.0/1.1 specification. Each USB header can provide two USB ports via an optional USB bracket. For purchasing the optional USB bracket, please contact the local dealer.



Pin No.	Definition	Pin No.	Definition
1	Power (5V)	6	USB DY+
2	Power (5V)	7	GND
3	USB DX-	8	GND
4	USB DY-	9	No Pin
5	USB DX+	10	NC



- Do not plug the IEEE 1394 bracket (2x5-pin) cable into the USB header.
- Prior to installing the USB bracket, be sure to turn off your computer and unplug the power cord from the power outlet to prevent damage to the USB bracket.

12) COMA/COMB (Serial Port Headers)

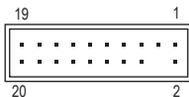
The COM header can provide one serial port via an optional COM port cable. For purchasing the optional COM port cable, please contact the local dealer.



Pin No.	Definition	Pin No.	Definition
1	NDCCD-	6	NDSR-
2	NSIN	7	NRTS-
3	NSOUT	8	NCTS-
4	NDTR-	9	NRI-
5	GND	10	No Pin

13) TPM (Trusted Platform Module Header)

You may connect a TPM (Trusted Platform Module) to this header.



Pin No.	Definition	Pin No.	Definition
1	LCLK	11	LAD0
2	GND	12	GND
3	LFRAME	13	NC
4	No Pin	14	ID
5	LRESET	15	SB3V
6	NC	16	SERIRQ
7	LAD3	17	GND
8	LAD2	18	NC
9	VCC3	19	NC
10	LAD1	20	SUSCLK

Chapter 2 BIOS Setup

BIOS (Basic Input and Output System) records hardware parameters of the system in the CMOS on the motherboard. Its major functions include conducting the Power-On Self-Test (POST) during system startup, saving system parameters and loading operating system, etc. BIOS includes a BIOS Setup program that allows the user to modify basic system configuration settings or to activate certain system features.

When the power is turned off, the battery on the motherboard supplies the necessary power to the CMOS to keep the configuration values in the CMOS.

To access the BIOS Setup program, press the <Delete> key during the POST when the power is turned on.

To upgrade the BIOS, use the GIGABYTE @BIOS utility, which is a Windows-based utility that searches and downloads the latest version of BIOS from the Internet and updates the BIOS.



- Because BIOS flashing is potentially risky, if you do not encounter problems using the current version of BIOS, it is recommended that you not flash the BIOS. To flash the BIOS, do it with caution. Inadequate BIOS flashing may result in system malfunction.
- It is recommended that you not alter the default settings (unless you need to) to prevent system instability or other unexpected results. Inadequately altering the settings may result in system's failure to boot. If this occurs, try to clear the CMOS values and reset the board to default values. (Refer to the "Restore Defaults" section in this chapter or introductions of the battery/clear CMOS jumper in Chapter 1 for how to clear the CMOS values.)

2-1 Startup Screen

The following startup Logo screen will appear when the computer boots.



2-2 Main

Once you enter the BIOS Setup program, the Main Menu (as shown below) appears on the screen. Use arrow keys to move among the items and press <Enter> to accept or enter a sub-menu.

Main Menu Help

The on-screen description of a highlighted setup option is displayed on the bottom line of the Main Menu.

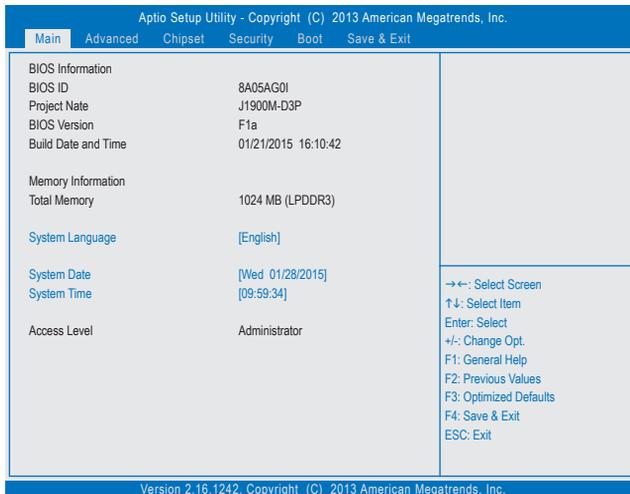
Submenu Help

While in a submenu, press <F1> to display a help screen (General Help) of function keys available for the menu. Press <Esc> to exit the help screen. Help for each item is in the Item Help block on the right side of the submenu.

(Sample BIOS Version: GA-J1900M-D3P F1a)



- When the system is not stable as usual, select the **Restore Defaults** item to set your system to its defaults.
- The BIOS Setup menus described in this chapter are for reference only and may differ by BIOS version.



This section provides information on your motherboard model and BIOS version. You can also select the default language used by the BIOS and manually set the system time.

- **System Language**

Selects the default language used by the BIOS.

- **System Date**

Sets the system date. The date format is week (read-only), month, date, and year. Use <Tab> to switch between the Month, Date, and Year fields and use the <+> or <-> key to set the desired value.

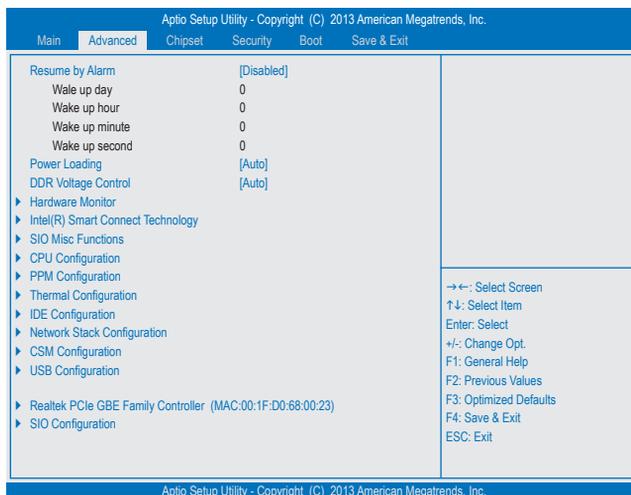
- **System Time**

Sets the system time. The time format is hour, minute, and second. For example, 1 p.m. is 13:0:0. Use <Tab> to switch between the Hour, Minute, and Second fields and use the <+> or <-> key to set the desired value.

- **Access Level**

Displays the current access level depending on the type of password protection used. (If no password is set, the default will display as **Administrator**.) The Administrator level allows you to make changes to all BIOS settings; the User level only allows you to make changes to certain BIOS settings but not all.

2-3 Advanced



☞ Resume by Alarm

Determines whether to power on the system at a desired time. (Default: Disabled)

If enabled, set the date and time as following:

▶▶ Wake up day: Turn on the system at a specific time on each day or on a specific day in a month.

▶▶ Wake up hour/minute/second: Set the time at which the system will be powered on automatically.

Note: When using this function, avoid inadequate shutdown from the operating system or removal of the AC power, or the settings may not be effective.

☞ Power Loading

Enables or disables dummy load. When the power supply is at low load, a self-protection will activate causing it to shutdown or fail. If this occurs, please set to **Enabled**. **Auto** lets the BIOS automatically configure this setting. (Default: Auto)

☞ DDR Voltage Control

Allows you to set the memory voltage. Options are: Normal, 1.50V, 1.60V, Auto. **Auto** lets the BIOS automatically configure this setting. (Default: Auto)

▶ Hardware Monitor

☞ CPU Temperature (DTS)/System Temperature

Displays current CPU/system temperature.

☞ CPU/System Fan Speed

Displays current CPU/system fan speeds.

☞ Vcore/VCC3/+12V/VCC/CPU_VAXG/3VDUAL/DDR1_35VIO

Displays the current system voltages.

▶ Intel(R) Smart Connect Technology

☞ ISCT Support

Enables or disables Intel® Smart Connect Technology. (Default: Disabled)

▶ SIO Misc Functions

⊟ ErP

Determines whether to let the system consume least power in S5 (shutdown) state. (Default: Disabled)

Note: When this item is set to **Enabled**, the following functions will become unavailable: Resume by Alarm, PME event wake up, power on by mouse, power on by keyboard, and wake on LAN.

⊟ AC BACK

Determines the state of the system after the return of power from an AC power loss.

- ▶▶ Memory The system returns to its last known awake state upon the return of the AC power.
- ▶▶ Always On The system is turned on upon the return of the AC power.
- ▶▶ Always Off The system stays off upon the return of the AC power. (Default)

⊟ Case Open

Displays the detection status of the chassis intrusion detection device attached to the motherboard CI header. If the system chassis cover is removed, this field will show "Open", otherwise it will show "Close." To clear the chassis intrusion status record, set **Reset Case Open Status** to **Enabled**, save the settings to the CMOS, and then restart your system.

⊟ Reset Case Open Status

- ▶▶ Disabled Keeps or clears the record of previous chassis intrusion status. (Default)
- ▶▶ Enabled Clears the record of previous chassis intrusion status and the **Case Open** field will show "No" at next boot.

⊟ Case intrusion Prompt

Allows the system to display a chassis intrusion notification when system boots. (Default: Disabled)

▶ CPU Configuration

▶ Socket 0 CPU Information

This section provides information on your CPU, frequency, and cache memory.

⊟ Limit CPUID Maximum

Allows you to determine whether to limit CPUID maximum value. Set this item to **Disabled** for Windows XP operating system; set this item to **Enabled** for legacy operating system such as Windows NT4.0. (Default: Disabled)

⊟ Execute Disable Bit

Enables or disables Intel® Execute Disable Bit function. This function may enhance protection for the computer, reducing exposure to viruses and malicious buffer overflow attacks when working with its supporting software and system. (Default: Enabled)

⊟ Hardware Prefetcher

Enables or disables L2 Cache Hardware Prefetcher. (Default: Enabled)

⊟ Adjacent Cache Line Prefetch

Enables or disables L2 prefetching of adjacent cache lines. (Default: Enabled)

⊟ Intel Virtualization Technology

Enables or disables Intel® Virtualization Technology. Virtualization enhanced by Intel® Virtualization Technology will allow a platform to run multiple operating systems and applications in independent partitions. With virtualization, one computer system can function as multiple virtual systems. (Default: Enabled)

⊟ Power Technology

Allows you to configure Intel® power management features. (Default: Energy Efficient)

▶ PPM Configuration

☞ CPU C state Report

Enables or disables support for CPU's power-saving functions. (Default: Enabled)

☞ Enhanced C state

Enables or disables Intel® CPU Enhanced Halt (C1E) function, a CPU power-saving function in system halt state. When enabled, the CPU core frequency and voltage will be reduced during system halt state to decrease power consumption. This item is configurable only when **CPU C state Report** is enabled. (Default: Enabled)

☞ Max CPU C-state

Allows you to determine the maximum C state that the CPU will support. Options include: C6, C1 (default). This item is configurable only when **CPU C state Report** is enabled.

▶ Thermal Configuration

☞ DTS

Enables or disables the CPU overheating protection function. (Default: Disabled)

☞ Critical Trip Point

Allows you to set the CPU temperature threshold. If the CPU temperature reaches this value, the operating system will shut down the system. This item is configurable only when **DTS** is enabled. (Default: 100 C)

☞ Passive Trip Point

Allows you to set the CPU temperature threshold. If the CPU temperature reaches this value, the CPU frequency will be automatically reduced. This item is configurable only when **DTS** is enabled. (Default: 85 C)

▶ IDE Configuration

☞ Serial-ATA (SATA)

Enables or disables the integrated SATA controllers. (Default: Enabled)

☞ SATA Mode

Allows you to decide whether to configure the SATA controller integrated in the Chipset to AHCI mode. This item is configurable only when **Serial-ATA(SATA)** is set to **Enabled**.

- ▶▶ IDE Mode Disables RAID for the SATA controllers and configures the SATA controllers to IDE mode.
- ▶▶ AHCI Mode Configures the SATA controllers to AHCI mode. Advanced Host Controller Interface (AHCI) is an interface specification that allows the storage driver to enable advanced Serial ATA features such as Native Command Queuing and hot plug. (Default)

☞ Serial-ATA Port 0/Serial-ATA Port 1

Enables or disables each SATA port. This item is configurable only when **Serial-ATA(SATA)** is set to **Enabled**. (Default: Enabled)

☞ SATA Port0/SATA Port1 HotPlug

Enables or disable the hot plug capability for each SATA port. This item is configurable only when **Serial-ATA(SATA)** is set to **Enabled**. (Default: Disabled)

The area below displays the current status of each SATA port.

▶ Network Stack Configuration

☞ Network stack

Disables or enables booting from the network to install a GPT format OS, such as installing the OS from the Windows Deployment Services server. (Default: Disabled)

☞ Ipv4 PXE Support

Enables or disables IPv4 PXE Support. This item is configurable only when **Network stack** is enabled.

☞ **Ipv6 PXE Support**

Enables or disables IPv6 PXE Support. This item is configurable only when **Network stack** is enabled.

▶ **CSM Configuration**

☞ **CSM Support**

Enables or disables UEFI CSM (Compatibility Support Module) to support a legacy PC boot process.

- ▶▶ Enabled Enables UEFI CSM. (Default)
- ▶▶ Disabled Disables UEFI CSM and supports UEFI BIOS boot process only.

☞ **Boot option filter**

Allows you to select which type of operating system to boot.

- ▶▶ UEFI and Legacy Allows booting from operating systems that support legacy option ROM or UEFI option ROM. (Default)
- ▶▶ Legacy only Allows booting from operating systems that only support legacy Option ROM.
- ▶▶ UEFI only Allows booting from operating systems that only support UEFI Option ROM.

This item is configurable only when **CSM Support** is set to **Enabled**.

☞ **Network**

Allows you to select whether to enable the UEFI or legacy option ROM for the LAN controller.

- ▶▶ Do not launch Disables option ROM. (Default)
- ▶▶ UEFI only Enables UEFI option ROM only.
- ▶▶ Legacy only Enables legacy option ROM only.
- ▶▶ Legacy first Enables legacy option ROM first.
- ▶▶ UEFI first Enables UEFI option ROM first.

This item is configurable only when **CSM Support** is set to **Enabled**.

☞ **Storage**

Allows you to select whether to enable the UEFI or legacy option ROM for the storage device controller.

- ▶▶ Do not launch Disables option ROM.
- ▶▶ UEFI only Enables UEFI option ROM only.
- ▶▶ Legacy only Enables legacy option ROM only. (Default)
- ▶▶ Legacy first Enables legacy option ROM first.
- ▶▶ UEFI first Enables UEFI option ROM first.

This item is configurable only when **CSM Support** is set to **Enabled**.

☞ **Video**

Allows you to select whether to enable the UEFI or legacy option ROM for the graphics controller.

- ▶▶ Do not launch Disables option ROM.
- ▶▶ UEFI only Enables UEFI option ROM only.
- ▶▶ Legacy only Enables legacy option ROM only. (Default)
- ▶▶ Legacy first Enables legacy option ROM first.
- ▶▶ UEFI first Enables UEFI option ROM first.

This item is configurable only when **CSM Support** is set to **Enabled**.

☞ **Other PCI devices**

Allows you to select whether to enable the UEFI or Legacy option ROM for the PCI device controller other than the LAN, storage device, and graphics controllers.

- ▶▶ UEFI first Enables UEFI option ROM first. (Default)
- ▶▶ Legacy only Enables legacy option ROM only.

This item is configurable only when **CSM Support** is set to **Enabled**.

▶ **USB Configuration**

☞ **Legacy USB Support**

Allows USB keyboard/mouse to be used in MS-DOS. (Default: Enabled)

☞ **USB3.0 Support**

Enables or disables the USB 3.0 controller. (Default: Enabled)

☞ **XHCI Hand-off**

Determines whether to enable XHCI Hand-off feature for an operating system without XHCI Hand-off support. (Default: Enabled)

☞ **EHCI Hand-off**

Determines whether to enable EHCI Hand-off feature for an operating system without EHCI Hand-off support. (Default: Disabled)

☞ **USB Mass Storage Driver Support**

Enables or disables support for USB storage devices. (Default: Enabled)

☞ **Mass Storage Devices**

Displays a list of connected USB mass storage devices. This item appears only when a USB storage device is installed.

▶ **Realtek PCIe GBE Family Controller**

This sub-menu provides information on LAN configuration and related configuration options.

▶ **SIO Configuration**

This section provides information on the super I/O chip and allows you to configure the serial port and parallel port.

2-4 Chipset



☞ **Realtek LAN Controller**

Enables or disables the onboard LAN function. (Default: Enabled)

If you wish to install a 3rd party add-in network card instead of using the onboard LAN, set this item to **Disabled**.

▶ **North Bridge**

This section provides information on the installed memory size and memory/onboard graphics-related configuration options.

▶ **Intel IGD Configuration**

This section provides onboard graphics-related configuration options.

☞ **MAX TOLUD**

Allows you to configure the maximum TOLUD value. (Default: Dynamic)

▶ **South Bridge**

This section provides configuration options for the motherboard's integrated peripherals.

▶ **USB Configuration**

This section provides you with configuration options for the USB controller, such as enabling/disabling a specific USB port and support for certain features.

▶ **PCI Express Configuration**

This section provides you with configuration options for the PCI Express bus, such as enabling/disabling a specific PCI Express channel and speed configuration.

☞ **Audio Controller**

Enables or disables the onboard audio function. (Default: Enabled)

If you wish to install a 3rd party add-in audio card instead of using the onboard audio, set this item to **Disabled**.

☞ **High Precision Timer**

Enables or disables High Precision Event Timer (HPET) in the operating system. (Default: Enabled)

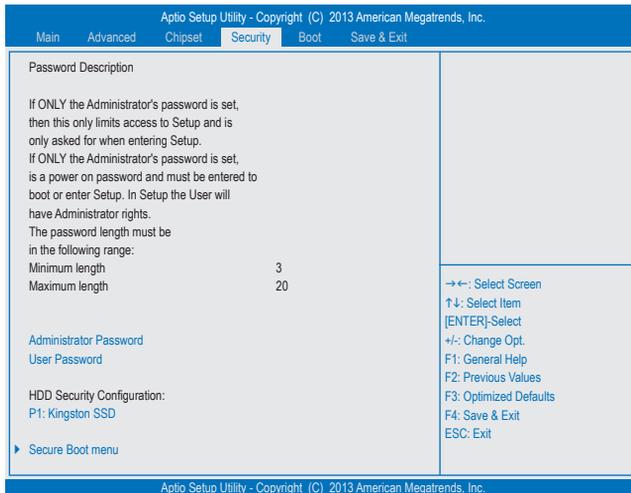
☞ **Soft-Off by PWR-BTTN**

Configures the way to turn off the computer in MS-DOS mode using the power button.

▶▶ Instant-Off Press the power button and then the system will be turned off instantly. (Default)

▶▶ Delay 4 Sec. Press and hold the power button for 4 seconds to turn off the system. If the power button is pressed for less than 4 seconds, the system will enter suspend mode.

2-5 Security



☞ **Administrator Password**

Allows you to configure an administrator password. Press <Enter> on this item, type the password, and then press <Enter>. You will be requested to confirm the password. Type the password again and press <Enter>. You must enter the administrator password (or user password) at system startup and when entering BIOS Setup. Differing from the user password, the administrator password allows you to make changes to all BIOS settings.

☞ **User Password**

Allows you to configure a user password. Press <Enter> on this item, type the password, and then press <Enter>. You will be requested to confirm the password. Type the password again and press <Enter>. You must enter the administrator password (or user password) at system startup and when entering BIOS Setup. However, the user password only allows you to make changes to certain BIOS settings but not all. To cancel the password, press <Enter> on the password item and when requested for the password, enter the correct one first. When prompted for a new password, press <Enter> without entering any password. Press <Enter> again when prompted to confirm.

NOTE: Before setting the User Password, be sure to set the Administrator Password first.

☞ **HDD Security Configuration**

Displays a list of connected hard drives and allows you to set a password for a specific hard drive. This item appears only when a hard drive is installed.

▶ **Secure Boot menu**

☞ **System Mode**

Displays the current system mode.

☞ **Secure Boot**

Displays the current secure boot state.

☞ **Secure Boot**

Enables or disables the secure boot function. Secure Boot requires all the applications that are running during the booting process to be pre-signed with valid digital certificates. This way, the system knows all the files being loaded before Windows 8 loads and gets to the login screen have not been tampered with. (Default: Disabled)

☞ **Secure Boot Mode**

Allows you to configure the secure boot mode. (Default: Custom)

▶ **Key Management**

This section provides you with configuration options for secure boot key management.

2-6 Boot



- ☞ **Setup Prompt Timeout**
Allows you to configure the number of seconds to stay in BIOS setup prompt screen. (Default: 6)
- ☞ **Bootup NumLock State**
Enables or disables Numlock feature on the numeric keypad of the keyboard after the POST. (Default: On)
- ☞ **Full Screen LOGO Show**
Allows you to determine whether to display the GIGABYTE Logo at system startup. **Disabled** skips the GIGABYTE Logo when the system starts up. (Default: Enabled)
- ☞ **Fast Boot**
Enables or disables Fast Boot to shorten the OS boot process. (Default: Disabled)
- ☞ **VGA Support**
Allows you to select which type of operating system to boot.
 - ▶▶ Auto Enables legacy option ROM only.
 - ▶▶ EFI Driver Enables EFI option ROM. (Default)This item is configurable only when **Fast Boot** is set to **Enabled**.
- ☞ **USB Support**
 - ▶▶ Disabled All USB devices are disabled before the OS boot process completes.
 - ▶▶ Full Initial All USB devices are functional in the operating system and during the POST.
 - ▶▶ Partial Initial Part of the USB devices are disabled before the OS boot process completes. (Default)This item is configurable only when **Fast Boot** is set to **Enabled**.
- ☞ **PS2 Devices Support**
 - ▶▶ Disabled All PS/2 devices are disabled before the OS boot process completes.
 - ▶▶ Enabled All PS/2 devices are functional in the operating system and during the POST. (Default)This item is configurable only when **Fast Boot** is set to **Enabled**.
- ☞ **NetWork Stack Driver Support**
 - ▶▶ Disabled Disables booting from the network. (Default)
 - ▶▶ Enabled Enables booting from the network.This item is configurable only when **Fast Boot** is set to **Enabled**.

⤷ **Boot Option #1/2/3**

Specifies the overall boot order from the available devices. For example, you can set hard drive as the first priority (**Boot Option #1**) and DVD ROM drive as the second priority (**Boot Option #2**). The list only displays the device with the highest priority for a specific type. For example, only hard drive defined as the first priority on the **Hard Drive BBS Priorities** submenu will be presented here.

Removable storage devices that support GPT format will be prefixed with "UEFI:" string on the boot device list. To boot from an operating system that supports GPT partitioning, select the device prefixed with "UEFI:" string.

Or if you want to install an operating system that supports GPT partitioning such as Windows 7 64-bit, select the optical drive that contains the Windows 7 64-bit installation disk and is prefixed with "UEFI:" string.

⤷ **Hard Drive/CD/DVD ROM Drive/Floppy Drive/Network Device BBS Priorities**

Specifies the boot order for a specific device type, such as hard drives, optical drives, floppy disk drives, and devices that support Boot from LAN function, etc. Press <Enter> on this item to enter the submenu that presents the devices of the same type that are connected. This item is present only if at least one device for this type is installed.

2-7 Save & Exit



⤷ **Save Changes and Reset**

Press <Enter> on this item and select **Yes**. This saves the changes to the CMOS and exits the BIOS Setup program. Select **No** or press <Esc> to return to the BIOS Setup Main Menu.

⤷ **Discard Changes and Reset**

Press <Enter> on this item and select **Yes**. This exits the BIOS Setup without saving the changes made in BIOS Setup to the CMOS. Select **No** or press <Esc> to return to the BIOS Setup Main Menu.

⤷ **Restore Defaults**

Press <Enter> on this item and select **Yes** to load the BIOS factory default settings. The BIOS defaults settings help the system to operate in optimum state. Always load the Optimized defaults after updating the BIOS or after clearing the CMOS values.

⤷ **Save as User Defaults**

Save to current BIOS settings as user-defined default settings.

↪ **Restore User Defaults**

Load the user-define default settings for all BIOS options.

↪ **Boot Override**

Allows you to select a device to boot immediately. Press <Enter> on the device you select and select **Yes** to confirm. Your system will restart automatically and boot from that device.

↪ **Launch EFI Shell from filesystem device**

Allows you to launch the EFI Shell application (shell.efi) from one of the available filesystem devices. Press <Enter> on this option and the system will restart to the EFI Shell screen automatically.

Chapter 3 Appendix

Drivers Installation



- Before installing the drivers, first install the operating system. (The following instructions use Windows 8.1 as the example operating system.)
- After installing the operating system, insert the motherboard driver disk into your optical drive. Click on the message "Tap to choose what happens with this disc" on the top-right corner of the screen and select "Run **Run.exe**." (Or go to My Computer, double-click the optical drive and execute the Run.exe program.)

"Xpress Install" will automatically scan your system and then list all of the drivers that are recommended to install. You can click the **Xpress Install** button and "Xpress Install" will install all of the selected drivers. Or click the arrow  icon to individually install the drivers you need.

Regulatory Notices

United States of America, Federal Communications Commission Statement

Supplier's Declaration of Conformity 47 CFR § 2.1077 Compliance Information

Product Name: **Motherboard**
Trade Name: **GIGABYTE**
Model Number: **GA-J1800M-D3P/GA-J1900M-D3P**

Responsible Party – U.S. Contact Information: **G.B.T. Inc.**
Address: 17358 Railroad street, City Of Industry, CA91748
Tel.: 1-626-854-9338
Internet contact information: <https://www.gigabyte.com>

FCC Compliance Statement:

This device complies with Part 15 of the FCC Rules, Subpart B, Unintentional Radiators.
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.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with manufacturer's instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Canadian Department of Communications Statement

This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications. This class B digital apparatus complies with Canadian ICES-003.

Avis de conformité à la réglementation d'Industrie Canada

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

European Union (EU) CE Declaration of Conformity

This device complies with the following directives: Electromagnetic Compatibility Directive 2014/30/EU, Low-voltage Directive 2014/35/EU, RoHS directive (recast) 2011/65/EU & the 2015/863 Statement. This product has been tested and found to comply with all essential requirements of the Directives.

European Union (EU) RoHS (recast) Directive 2011/65/EU & the European Commission Delegated Directive (EU) 2015/863 Statement

GIGABYTE products have not intended to add and safe from hazardous substances (Cd, Pb, Hg, Cr+6, PBDE, PBB, DEHP, BBP, DBP and DIBP). The parts and components have been carefully selected to meet RoHS requirement. Moreover, we at GIGABYTE are continuing our efforts to develop products that do not use internationally banned toxic chemicals.

European Union (EU) Community Waste Electrical & Electronic Equipment (WEEE) Directive Statement

GIGABYTE will fulfill the national laws as interpreted from the 2012/19/EU WEEE (Waste Electrical and Electronic Equipment) (recast) directive. The WEEE Directive specifies the treatment, collection, recycling and disposal of electric and electronic devices and their components. Under the Directive, used equipment must be marked, collected separately, and disposed of properly.

WEEE Symbol Statement



The symbol shown below is on the product or on its packaging, which indicates that this product must not be disposed of with other waste. Instead, the device should be taken to the waste collection centers for activation of the treatment, collection, recycling and disposal procedure.

For more information about where you can drop off your waste equipment for recycling, please contact your local government office, your household waste disposal service or where you purchased the product for details of environmentally safe recycling.

Battery Information

European Union—Disposal and recycling information
GIGABYTE Recycling Program (available in some regions)



This symbol indicates that this product and/or battery should not be disposed of with household waste. You must use the public collection system to return, recycle, or treat them in compliance with the local regulations.

End of Life Directives-Recycling



The symbol shown below is on the product or on its packaging, which indicates that this product must not be disposed of with other waste. Instead, the device should be taken to the waste collection centers for activation of the treatment, collection, recycling and disposal procedure.

Déclaration de Conformité aux Directives de l'Union européenne (UE)

Cet appareil portant la marque CE est conforme aux directives de l'UE suivantes: directive Compatibilité Electromagnétique 2014/30/UE, directive Basse Tension 2014/35/UE et directive RoHS II 2011/65/UE. La conformité à ces directives est évaluée sur la base des normes européennes harmonisées applicables.

European Union (EU) CE-Konformitätserklärung

Dieses Produkte mit CE-Kennzeichnung erfüllen folgenden EU-Richtlinien: EMV-Richtlinie 2014/30/EU, Niederspannungsrichtlinie 2014/30/EU und RoHS-Richtlinie 2011/65/EU erfüllt. Die Konformität mit diesen Richtlinien wird unter Verwendung der entsprechenden Standards zur Europäischen Normierung beurteilt.

CE declaração de conformidade

Este produto com a marcação CE estão em conformidade com das seguintes Diretivas UE: Diretiva Baixa Tensão 2014/35/EU; Diretiva CEM 2014/30/EU; Diretiva RSP 2011/65/UE. A conformidade com estas diretivas é verificada utilizando as normas europeias harmonizadas.

CE Declaración de conformidad

Este producto que llevan la marca CE cumplen con las siguientes Directivas de la Unión Europea: Directiva EMC (2014/30/EU), Directiva de bajo voltaje (2014/35/EU), Directiva RoHS (recast) (2011/65/EU). El cumplimiento de estas directivas se evalúa mediante las normas europeas armonizadas.

Dichiarazione di conformità CE

Questo prodotto è conforme alle seguenti direttive: Direttiva sulla compatibilità elettromagnetica 2014/30/UE, Direttiva sulla bassa tensione 2014/35/UE, Direttiva RoHS (rifiusione) 2011/65/UE. Questo prodotto è stato testato e trovato conforme a tutti i requisiti essenziali delle Direttive.



D33006 RoHS



Contact Us

GIGA-BYTE TECHNOLOGY CO., LTD.

Address: No.6, Baoqiang Rd., Xindian Dist., New Taipei City 231, Taiwan

TEL: +886-2-8912-4000, FAX: +886-2-8912-4005

Tech. and Non-Tech. Support (Sales/Marketing) : <https://esupport.gigabyte.com>

WEB address (English): <https://www.gigabyte.com>

WEB address (Chinese): <https://www.gigabyte.com/tw>

- **GIGABYTE eSupport**

To submit a technical or non-technical (Sales/Marketing) question, please link to:
<https://esupport.gigabyte.com>

The screenshot shows the GIGABYTE eSupport website. At the top left is the GIGABYTE logo. The main heading is "Welcome to eSupport" in blue. Below it is a sub-heading: "Submit your product/sponsorship/marketing questions or inquiries, and our representative will respond in a timely fashion." The page is divided into three main sections:

- NEWS:** A section with a small icon and the text: "Your submissions will be displayed in your personal page, log in to see the processing status."
- SIGN IN:** A section with "Account" and "Password" input fields, a "SIGN IN" button, and "sign in with" options for Facebook, Google, Twitter, and LinkedIn. There are also links for "Register" and "Forgot Password".
- QUICK LINK:** A section with three icons: "Downloads", "FAQ", and "Warranty".