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DM6 User Manual



Shenzhen JEHE Technology Development Co., Ltd.

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Safety Notice

- Read the user manual carefully before setting up the Giada product.
- Disconnect the power cord before installing the internal components
- Most electronic components are sensitive to static electrical charge, please wear a wrist-grounding strap when installing the internal components.
- Don't disconnect the power cord when the system is running to avoid damage to the sensitive components by instantaneous surge voltage.

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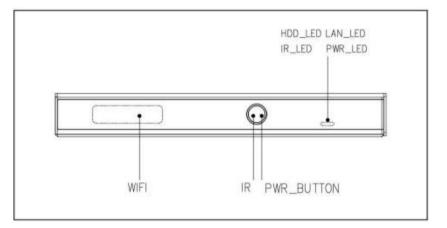
1. Product Introduction

Based on AMD Ryzen platform, Giada DM6 adopts DDR4 dual-channel memory as well as SATA and MSATA storage interface design. With four HDMI display outputs, it supports 4K resolution. The player is suitable to be applied in high-end digital signage applications.

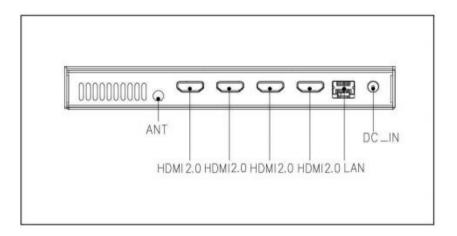
2. Interface Description and Hardware Specifications

2.1 Interface Description

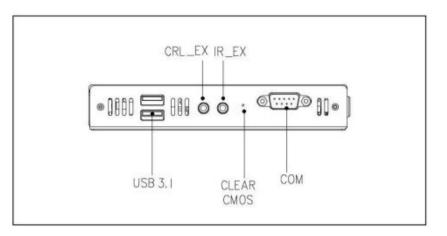
Front I/O Port



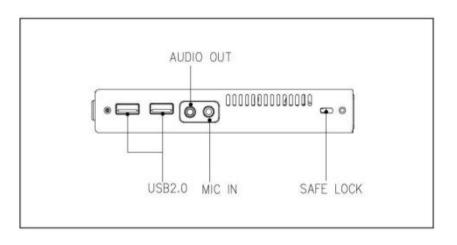
Rear I/O Port



Left I/O Port



Right I/O port



2.2 Hardware Specifications

DM6		DM6-V1202B40H0G-GIA	DM6-V1605B40H0G-GIA	
	CPU	AMD Ryzen™ V1202B	AMD Ryzen™ V1605B	
Processor	Frequency	2.0GHz, 2Cores / 4Threads	2.0GHz, 4Cores / 8Threads	
BIOS		AMI Source Code		
	Chipset	SOC		
	Туре	DDR4		
Memory	Socket	2 x SO-DIMM		
	Max Capacity	32 GB		

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	GPU	Radeon™ GPU 1.0GHz	Radeon [™] GPU 1.1GHz
Graphics	Graphic Engine	Direct3D 2015, OpenGL 4.5, OpenCL	2.1
HDMI2.0		4 x HDMI (Max.3840 x 2160 @60Hz)	
Network	Controller	Realtek RTL8111H Gigabit Ethernet	
Network	Interface	1 x RJ45	
	USB	2 x USB 3.1, 2 x USB 2.0	
	Serial Port	1 x RS232	
I/O Interface	Audio	1 x MIC-IN, 1 x AUDIO-OUT	
I/O Internace	SIM	1 x SIM Slot	
	Mini PCle #1	1 x Full-size Mini-PCIe for mSATA	
	Mini PCle #2	2 1 x Full-size Mini-PCIe for WiFi/BT/3G/4G	
Storago	mSATA	1 x Full-size mSATA	
Storage	SATA	1 x 2.5" SATA	
JAHC	JAHC	Watchdog / Auto power on/IR Remote Control / RTC/Wake On Lan	
Operation System	os	Windows 10 (64-bit) / Linux	
Devier	Power Type	DC-IN	
Power	Input Voltage	19V/3.42A	
	Construction	Metal	
	Mounting	Desk/VESA Mounting (JZ183)	
Mechanical	Dimension	189.6mm x 148.3mm x 26mm	
	(W x D x H)		
	Color	Black	
	Operating	0-40°⊂ at 0.7m/s Air Flow	
Environment	Temperature		
	Relative Humidity	95%@40℃ (non-condensing)	
Certification		CE, FCC	

3. Accessories Installation Steps

A For safety reasons, please ensure that the power cord is disconnected before opening the case.

How to open the top cover and bottom cover

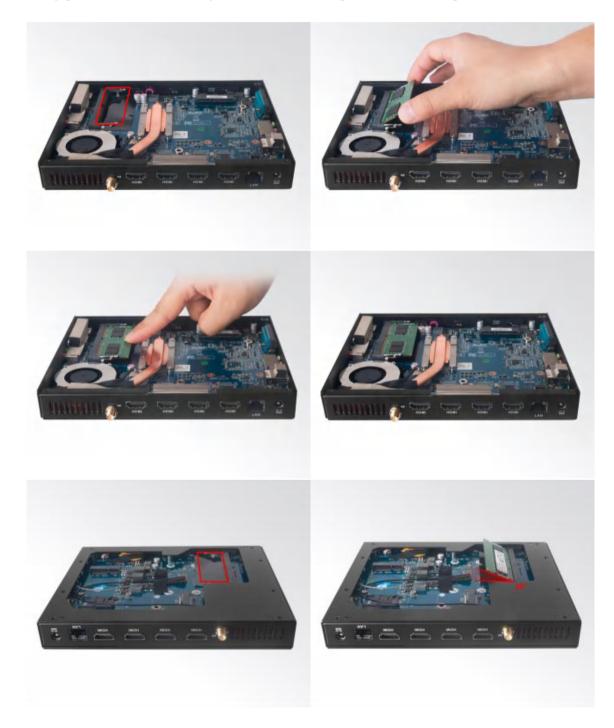
Unscrew the four screws and remove the top cover. (SO-DIMM #1 and 2.5" SATA slot are on top side)

Unscrew the four screws, push the bottom cover and remove it. (SO-DIMM#2, mini PCIE slot for WIFI/3G/4G, mini PCIE slot for MSATA and SIM card slot are on bottom side)



3.1 Memory Installation

- A This product only supports DDR4 SO-DIMM memory modules.
- 1. Locate the SO-DIMM slot on the board.
- 2. Gently insert the module into the slot in a 45-degree angle.
- 3. Carefully push down the memory module until it snaps into the locking mechanism.



3.2 WiFi/3G/4G Installation

• WIFI Installation

- 1. Tighten the WIFI module and WIFI module bracket with screws.
- 2. Plug the WIFI module into the mini PCIE slot.
- 3. Secure the module to the carrier by tightening up the screw.
- 4. Connect the black cable to Main and grey cable to AUX. Install the antenna.

• 3G/4G Installation

M Defaut SMA connector and cable is for WIFI. Please change to 3G/4G SMA connector and cable.

- 1. Plug the 3G/4G module into the mini PCIE slot.
- 2. Secure the module to the carrier by tightening up the screw.
- 3. Connect the cable to Main and install the antenna.



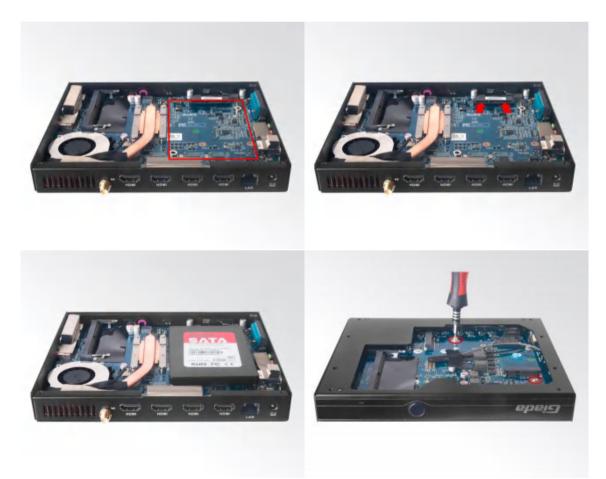
3.3 MSATA Installation

- 1. Plug the MSATA module into the mini PCIE slot.
- 2. Secure the module to the carrier by tightening up the screw.



3.4 2.5" SATA Installation

- 1. Plug 2.5" SATA into the slot.
- 2. Tighten up the two screws from another (bottom) side.



3.5 SIM Card Installation

A This product supports standard SIM card with the size of 25mm × 15mm.

- 1. [Open] the SIM card holder and pull it up.
- 2. Insert the SIM card.
- 3. [Lock] the card holder.



4. Bios Setup

Notice:

The descriptions relating to BIOS setup in this Manual is for reference only since the BIOS version of the product might be upgraded. Giada provides no guarantee that all the contents in this Manual are consistent with the information you acquired.

BIOS is a basic I/O control program saved in the Flash Memory. Bridging the motherboard and the operation system, BIOS is used for managing the setup of the related parameters between them.

When the computer is activated, the system is first controlled by the BIOS program. Firstly, a self-detection called POST is performed to check all hard devices and confirm the parameters of the

synchronous hardware.

Once all detections are completed, BIOS will hand over the controlling to the operation system (OS). As BIOS serves as the only channel that connects the hardware and software, whether your computer can run stably and work in optimized state will hinge on how to properly set the parameters in BIOS. Therefore, the correct setup of BIOS plays a key role in stably running the system and optimizing its performance.

The CMOS Setup will save the set parameters in the built-in CMOS SRAM on the motherboard. When the power is shut off, the lithium battery on the motherboard will provide continuously power to CMOS SRAM.

The BIOS setup program will allow you to configure the following items:

- 1. HD drive and peripheral devices
- 2. Video display type and display items
- 3. Password protection
- 4. Power management characteristics

A. State of BIOS Setup

When the computer is started up, BIOS will run the self-detection (Post) program. This program includes series of diagnosis fixed in BIOS. When this program is executed, the following information will appear if any error is found:

Press [F1] to Run General help

Press [F2] to Load previous values and continue

To enter BIOS, you can Press F2; to load the default values and enter the system, you can press DEL to enter the BIOS interface if no error occurs. If the indicative information disappears before operating, you can shut down the computer and turn it on again, or you can pressing the RESET key on the product housing. To restart the computer, you can also press < Ctrl > + < Alt > + < Delete > simultaneously.

B. Function Keys definitions

Hot Key	Description
↑	(Up key) Move to the previous item
\downarrow	(Down key) Move to the next item
<i>←</i>	(Left key) Move to the left item
\rightarrow	(Right key) Move to the right item
ESC	Exit the current interface
Page Up	Change the setup state, or add the values
Page Down	Change the setup state, or deduct the values
F1	Display the information of the current function Keys definitions.
F9	Load the optimized values
F10	Save the settings and exit the CMOS SETUP

C. Auxiliary information Main interface

When the system enters the main interface of Setup, the major selected contents will be displayed at the lower part of the interface with the change of the options.

When you set the value for each column, you can view the preset value of the column and the values that can be set if you press F2, for example, the BIOS default values or CMOS Setup values. To exit the interface for auxiliary information, press [ESC].

D. Main menu

When the system enters the BIOS Setup menu, you can see the main menu on the upper part of the screen, as shown in Figure 1.

In this main menu, you can use the left and right direction keys to select the setup items.

Once the item is selected, the lower part of the computer screen will show the details of setting.

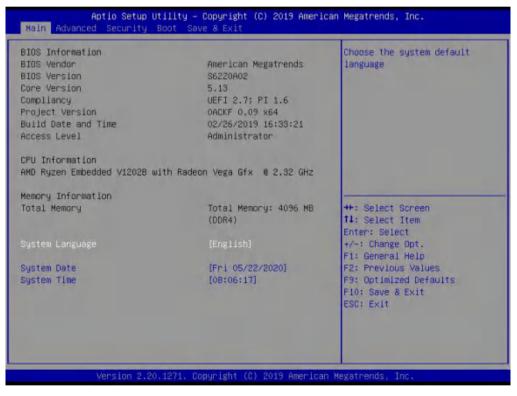


Fig 1

1) Main (standard CMOS setup)

This item is used for setting the date and time.

2) Advanced (advanced BIOS setup)

This item is used for setting the advanced functions provided by BIOS, such as specifications of PCIe facilities, CPU, HDD, etc.

3) Security (set the administrator/user password)

4) Boot (startup configuration characteristics)

5) Save & Exit (option of exit)

This item includes load optimal defaults / load failsafe defaults value / discard changes / discard changes and exit.

4.1 Main (Standard CMOS Setup)

BIOS Information BIOS Vendor	American Megatrends	Choose the system default language
BIOS Version	s6220A02	TauRnage
Core Version	5.13	
Compliancy	UEFI 2.7; PI 1.6	
Project Version	OACKF 0.09 x64	
Build Date and Time	02/26/2019 16:33:21	
Access Level	Administrator	
CPU Information		
AMD Ryzen Embedded V12028 wi	th Radeon Vega Gfx € 2.32 GHz	
Memory Information		
Total Memory	Total Memory: 4096 MB	++: Select Screen
	(DDR4)	14: Select Item
		Enter: Select
System Language	[English]	+/-: Change Opt.
System Date	[Fri 05/22/2020]	F1: General Help F2: Previous Values
System Date System Time	[08:06:17]	F9: Optimized Defaults
system (Ime	[08:08:17]	F10: Save & Exit
		ESC: Exit
		Cool LAIT

1) System time (hh:mm:ss)

Use this item to set the time for the computer, with the format as "HH / MM / SS".

2) System date (mm:dd:yy)

Use this item to set the date for the computer, with the format as "week, MM / DD / YY".

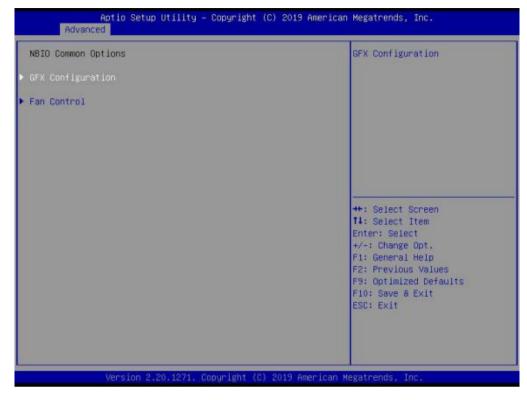
4.2 Advanced (Advanced BIOS Setup)

AHD CBS AMD PBS Trusted Computing ACPI Settings Power Configuration CPU Configuration Network Stack Configuration CSM Configuration	AMD CBS Setup Page
	++: Select Screen t1: Select Item Enter: Select +/-: Change Opt. F1: General Help F2: Previous Values F9: Optimized Defaults F10: Save & Exit ESC: Exit

4.2.1 AMD CBS Settings

Aptio Setup Uti Advanced	lity – Copyright (C) 2019 Ameri	can Megatrends, Inc.
AMD Firmware Version Primary Video Adaptor SATA/ M.2 selection	[Int Graphics (IGD)] [SATA M.2 x1]	Show all of AMD Firmware Version
		++: Select Screen 14: Select Item Enter: Select +/-: Change Opt. F1: General Help F2: Previous Values F9: Optimized Defaults F10: Save & Exit ESC: Exit
Version 2.20.1	271. Copyright (C) 2019 America	n Megatrends, Inc.

4.2.2 AMD PBS Settings



4.2.3 Trusted Computing

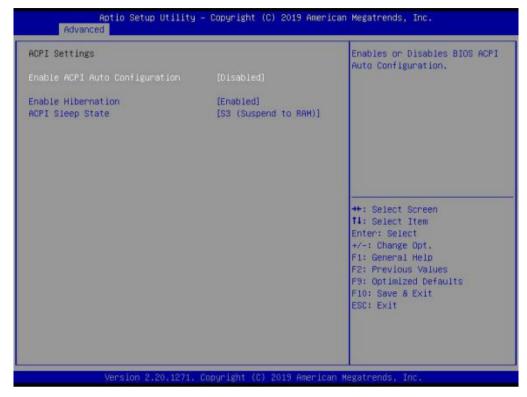
TPM20 Device Found	0.00	Enables or Disables BIOS
Firmware Version: Vendor:	3.23 AMD	support for security device. 0.S. will not show Security Device. TCG EFI protocol and
Security Device Support		INTIA interface will not be
Active PCR banks	SHA-1,SHA256	available.
Available PCR banks	SHA-1,SHA256	
SHA-1 PCR Bank	[Enabled]	
SHA256 PCR Bank	[Enabled]	
Pending operation	[None]	
Platform Hierarchy	[Enabled]	
Storage Hierarchy	[Enabled]	**: Select Screen
Endorsement Hierarchy	[Enabled]	14: Select Item
TPM2.0 UEFI Spec Version	[TCG_2]	Enter: Select
Physical Presence Spec Version	[1.3]	+/-: Change Opt.
TPM 20 InterfaceType	[CRB]	F1: General Help
Device Select	[Auto]	F2: Previous Values
		F9: Optimized Defaults
		F10: Save & Exit
		ESC: Exit

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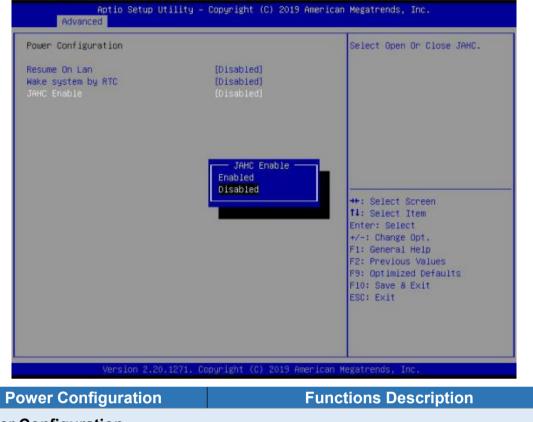
Options	Description
Trusted Computing	
TPM20 Device Found Firmware Version: Vendor:	It shows the information of TPM device.
SHA-1 PCR Bank	Disable or Enable the SHA-1 PCR Bank. The option is enabled by default.
SHA256 PCR Bank	Disable or Enable the SHA256 PCR Bank. The option is enabled by default.
Pending operation	It includes None and TPM Clear function.
Platform Hierarchy	Disable or Enable the Platform Hierarchy.
Storage Hierarchy	Disable or Enable the Storage Hierarchy.
Endorsement Hierarchy	Disable or Enable the Endorsement Hierarchy.
TPM2.0 UEFI spec version	TPM2.0 UEFI Options, TCG_1_2 or TCG_2. TCG_2 is set up by default.
Physical Presence Spec Version	You can choose 1.2 or 1.3. 1.3 is set up by default.
TPM 20 Interface Type	TPM2.0 Interface Type is TIS by default.
Device Select	You can select TPM1.2 or TPM2.0 or Auto. Auto is set up by default.

4.2.4 ACPI Setting



ACPI Options	Description	
Enable ACPI Auto Configuration	Enable or Disable BIOS ACPI AUTO Configuration	
Enable Hibernation	Enable or Disabled Hibernation	
	You can use the ACPI Sleep state option to control system hibernation	
ACPI Sleep state	Suspend Disabled: Disable system Suspend.	
	• S3 (Suspend to RAM): Enable S3(Suspend to RAM)	

4.2.5 Power Configuration



Power Configuration

Wake On LAN Function

Wake Off LAN FUNCTION.
• Disabled: The WOL is disabled by default.
• Enabled.
Enable or disable System wake on alarm event. Select FixedTime, system will wake up at the hr::min::sec specified time.
Select DynamicTime, System will wake up at the current time + Increase minute(s).
JEHE Active Hardware Control (JAHC) management system includes both hardware Micro Control Unit (MCU) and software (JAHC Technology Manager).
• Disabled: The JAHC is disable by default.
• Enabled.

4.2.6 CPU Configuration

CPU Configuration Module Version: RavenCpu 21 AGESA Version : RavenPI 1107	1	Enable/disable the generation of ACPI _PPC, _PSS, and _PCT objects.
PSS Support PPC Adjustment NX Mode SVM Mode Node 0 Information	[Enabled] [PState 0] [Enabled] [Enabled]	
		++: Select Screen t1: Select Item Enter: Select +/-: Change Opt. F1: General Help F2: Previous Values F9: Optimized Defaults F10: Save & Exit ESC: Exit

The menu	Description
CPU Configuration	
PSS Support	Enable/Disable the generation of APCI_PPC,_PSS and _PCT Objects
PPC Adjustment	The PPC Adjustment is PState by default.
NX Mode	Enable/disable No-execute page protection Function
SVM Mode	Enabled/disable CPU virtualization
Node 0 information	View Memory Information related to node 0.

4.2.7 Network State Configuration

		A.44
Network Stack	[Disabled] Network Stack — Disabled	Enable/Disable UEFI Network Stack
	Enabled	<pre>++: Select Screen 11: Select Item Enter: Select +/-: Change Opt. F1: General Help F2: Previous Values F9: Optimized Defaults F10: Save & Exit ESC: Exit</pre>

You can enable or disable IPV4 PXE and IPV6 PXE Boot function. **4.2.8 CSM Configuration**

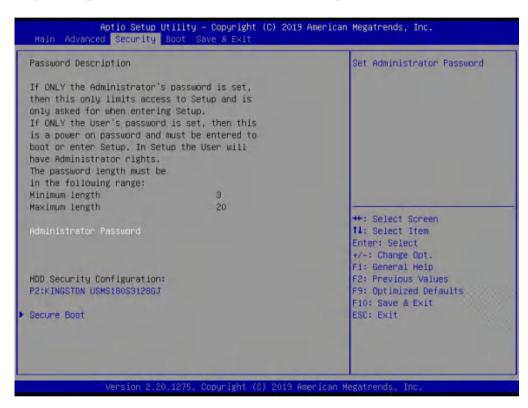
Compatibility Support Module	Configuration	Enable/Disable CSM Support.
CSM Support		
CSM16 Module Version	07.79	
GateA20 Active Option ROM Messages INT19 Trap Response	(Upon Request) (Force BIOS) [Immediate]	
Boot option filter	(UEFI and Legacy)	
Option ROM execution		
Network Storage Video Other PCI devices	[Oo not launch] [Legacy] [Legacy] [UEFI]	<pre>++: Select Screen f1: Select Item Enter: Select +/-: Change Opt. F1: General Help F2: Previous Values F9: Optimized Defaults F10: Save & Exit ESC: Exit</pre>

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CSM Options	Description	
Compatibility Support Module Configuration		
CSM Support	 Enabled: The CSM support function is enable by default. Disabled. 	
CSM16 Module Version	The Current CMS Version.	
GateA20 Active	Upon Request. (This option is set by default)Always.	
Option ROM Messages	Force BIOS. (This option is set by default)Keep Current.	
INT19 Trap Response	Immediate (This option is set by default)Postponed.	
HDD Connection Order	Adjust. (This option is set by default)Keep.	
Boot option filter	 UFEI and Legacy: It will support both UEFI and legacy mode. Legacy only: It only supports legacy mode. UEFI only: It only supports UEFI mode. 	
Option ROM Execution		
Network	 Network ROM Boot. Do not launch: Do not Boot. UEFI: It will support UEFI mode network ROM. Legacy: It will support legacy mode network ROM. 	
Storage	 Storage ROM Boot. Do not launch: Do not Boot. UEFI: It will support UEFI mode storage ROM. Legacy: It will support legacy mode storage ROM. 	
Video	 Video ROM Boot. UEFI: It will support UEFI mode Video ROM. Legacy: It will support Legacy mode Video ROM. 	

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Other PCI devices	•	Do not launch: Do not Boot. UEFI: It will support UEFI mode PCI ROM. Legacy: It will support Legacy mode PCI ROM.

4.3 Security Setup (set the administrator/user password)



If this function is selected, the following information will appear:

Enter New Password hhhhhh

Then enter a password which is no more than eight characters and press <Enter>. BIOS will require to enter the password again.

Once you enter it again, BIOS will save the set password. Once the password item is enabled, you will be required to enter the password every time before the system entering to the setup program of BIOS. The user can set this item through the Security Option in advanced BIOS properties. If the Security Option is set as System, the password will be required to be entered before both the system guides and entering to the setup program of BIOS. If it is set as Setup, the password will be required to be entered only before the system entering to the setup program of BIOS.

To delete the password, press <Enter> in the popped-up window that requires to enter the password. Then information for confirmation will appear on the screen to allow you decide whether the password will be disabled. Once the password is disabled, you can enter the setup program directly without password when the system is restarted.

Boot Sector Virus Protection. This item is used for setting the alarm function in case of virus attack

in IDE disk sector. If this item is set as Enable and some program writes information in the sector, BIOS will display alarm information on the screen and buzz.

4.4. Boot Menu

Aptio Setup Utility – Copyright (C) 2019 American Megatrends, Inc. Main Advanced Security <mark>Boot</mark> Save & Exit		
Boot Configuration Setup Prompt Timeout Bootup NumLock State Quiet Boot	1 [On] (Enabled)	Number of seconds to wait for setup activation key. 65535(0xFFFF) means indefinite waiting.
Boot Option Priorities Boot Option #1 Boot Option #2 Boot Option #3	(UEFI: SanDisk, Partition 4) [SanDisk] [UEFI: Built-in EFI Shell]	
New Boot Option Policy USB Device BBS Priorities	[Default]	<pre>++: Select Screen f1: Select Item Enter: Select +/-: Change Opt. F1: General Help F2: Previous Values F9: Optimized Defaults F10: Save & Exit ESC: Exit</pre>
Version 2,20,12	71. Copyright (C) 2019 America	an Mexatrends, Inc.

Boot Item	Description	
Boot Configuration		
Setup Prompt Timeout	This item is use to set the wait time of entering the operation system. During the BIOS post, if user doesn't press the keyboard, it won't respond unless you reboot the BIOS. The Setup Prompt Timeout is 3s by default. You can set the time as you want.	
Bootup NumLock State	Options are OFF and ON. In other words, this item can be used to set the state of Num Lock after entering the system. It can be set according to user's needs and doesn't affect the performance of the computer.	
Quiet Boot	If this item is set as Enabled, the system can be started within five seconds and some detection items will be ignored. The options are [Disabled] and [Enabled].	
BOOT Option Priorities		
Boot Option #1	The first boot device. If BIOS doesn't detect the first boot device, it will check the second boot device.	

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Boot Item	Description
Boot Option #2	The second boot device.
Boot Option #3	The third boot device.
New Boot Option Policy	Control the placement of newly detected UEFI boot options
USB Drive BBS Priorities	You can set and manage legacy USB device after enabling this option.

4.5 Save&Exit



ersion 2.20.1271. Copyright (C) 2019 American Megatrends

Save Exit Item	Description
Save Options	
Save Changes and Reset	Save all changes and exit
Discard Changes and Reset	Give up the settings and exit.
Restore Defaults	Recover it to default.
Boot Override	Whole Boot devices

5. JAHC Introduction

JEHE Active Hardware Control (JAHC) management system includes both hardware Micro Control Unit (MCU) and software (JAHC Technology Manager). It can support following functions:

1. Automatically boot up when power on. It is controlled by the Micro Control Unit (MCU) chip.

2. Real Timer Controller (RTC) wake up: user can install the JAHC software to set up automatic startup and shutdown, one week as a circle.

- 3. Watchdog timer. It is a built-in API interface.
- 4. Infrared remote control (Optional IR controller).

5.1 How to set up Auto power on function

Automatically reboot when power on

The function of automatically reboot when power on is controlled by hardware. You can enable it by switching the JAHC button to "on".

If you cannot find the physical switch on the player, then you can go into the BIOS to enable it by following steps:

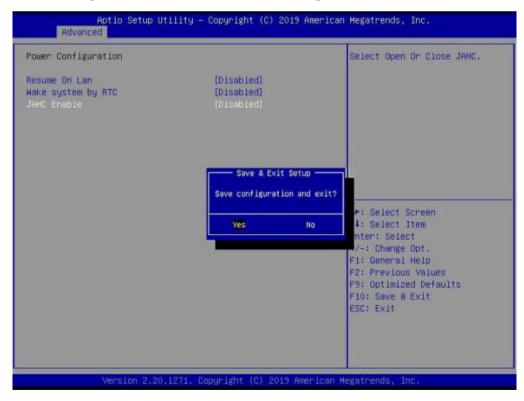
a. Turn on the player and continually press 'Del', then it can enter BIOS setup menu.

BIOS VendorAmerican Megatrendsswitch between Date elementCore Version5.13Switch between Date elementBIOS VersionX62MCW15Year: 2005-2099Build Date and Time12/16/2019 16:25:56Months: 1-12Processor InformationNameWhiskeyLake ULTNameWhiskeyLake ULTDays: dependent on monthTypeIntel(R) Core(TM)i5-8265U CPU @ 1.60GHz**: Select ScreenTotal Memory8192 MBMemory Frequency2400 MHzME FW Version12.0.40.1433System Date[Sun 01/19/2020]System Time[14:27:19]F2: Previous ValuesF9: Optimized DefaultsF10: Save & ExitESC: Exit	BIOS Information	Annu inco Maria and	Set the Date. Use Tab to
BIOS VersionX62MCW15Year: 2005-2099Build Date and Time12/16/2019 16:25:56Months: 1-12Processor InformationNameWhiskeyLake ULTTypeIntel(R) Core(TM)15-8265U CPU @ 1.60GHzTotal Memory8192 MBMemory Frequency2400 MHzME FW Version12.0.40.1433ME FW Version12.0.40.1433System Date[Sun 01/19/2020]System Time[14:27:19]F1: General HelpF2: Previous ValuesF9: Optimized DefaultsF10: Save & Exit			switch between Date elements.
Build Date and Time 12/16/2019 16:25:56 Processor Information Name WhiskeyLake ULT Type Intel(R) Core(TM) 15-8265U CPU @ 1.60GHz Total Memory Prequency 2400 MHz ME FW Version 12.0.40.1433 System Date [Sun 01/19/2020] System Time [14:27:19] F2: Previous Values F9: Optimized Defaults F10: Save & Exit			and the second
Processor Information Days: dependent on month Name WhiskeyLake ULT Type Intel(R) Core(TM) i5-8265U CPU @ 1.60GHz #*: Select Screen Total Memory 8192 MB Memory Frequency 2400 MHz ME FW Version 12.0.40.1433 System Date [Sun 01/19/2020] System Time [14:27:19]			
NameWhiskeyLake ULTTypeIntel(R) Core(TM)i5-8265U CPU @ 1.60GHzTotal Memory8192 MBMemory Frequency2400 MHzME FW Version12.0.40.1433System Date[Sun 01/19/2020]System Time[14:27:19]F1: General HelpF2: Previous ValuesF9: Optimized DefaultsF10: Save & Exit			Days: dependent on month
Type Intel(R) Core(TM) i5-8265U CPU @ 1.60GHz Total Memory 8192 MB Memory Frequency 2400 MHz ME FW Version 12.0.40.1433 ++: Select Screen tl: Select Item Enter: Select Item Enter: Select +/-: Change Opt. System Date [Sun 01/19/2020] System Time [14:27:19] F1: General Help F2: Previous Values F9: Optimized Defaults F10: Save & Exit	Processor Information		
i5-8265U CPU @ 1.60GHz Total Memory 8192 M8 Memory Frequency 2400 MHz ++: Select Screen 14: Select Item ME FW Version 12.0.40.1433 Enter: Select System Date [Sun 01/19/2020] System Time [14:27:19] F1: General Help F2: Previous Values F9: Optimized Defaults F10: Save & Exit	Name	WhiskeyLake ULT	
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F9: Optimized Defaults F10: Save & Exit			
F10: Save & Exit	system Time	[14:51:10]	
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			LOUT LOLI

b. Select Advanced- > Power Configuration- > JAHC Enable- > Enabled.

Aptio Setup Ut Advanced	ility – Copyright (C) 2019 A	merican Megatrends, Inc.
Power Configuration Resume On Lan Wake system by RTC JAHC Enable	[Disabled] [Disabled] (Disabled]	Select Open Or Close JAHC.
	JAHC Enable Enabled Disabled	++: Select Screen 14: Select Item Enter: Select +/-: Change Opt. F1: General Help F2: Previous Values F9: Optimized Defaults F10: Save & Exit ESC: Exit
Version 2.20.	1271. Copyright (C) 2019 Ame	erican Megatrends, Inc.

c. Press 'F10' to save change & exit after select "JAHC Enabled" option.



5.2 JAHC software

5.2.1 JAHC software functions

a. RTC wake up. The user can set up automatic startup and shutdown, one week as a circle

b. Caution message prior to shutdown to remind user to save the data. User can also choose to postpone the shutdown process.

c. When JAHC is running, it can support reboot automatically when system is crashed. No additional settings needed.

5.2.2 JAHC software installation guide

System Requirements:

- a. Giada player with JAHC function.
- b. Switch the JAHC button to "on" or enable it in BIOS if there is no physical button on the chassis.
- c. Supported operation system: Windows 10 64bit, Linux 64bit.

How to install JAHC software:

Please download the JAHC.EXE from Giada website: <u>www.giadatech.com</u>, then follow up below steps:

a. Double-click the JAHC.EXE file, the setup wizard will pop up, select destination location and click [Next] button to continue the installation.

J Setup - JAHC	- D >
Select Destination Location Where should JAHC be installed?	
Setup will install JAHC into the following folder.	
To continue, click Next. If you would like to select a different folder,	click Browse.
C:\Program Files (x86)\JAHC	Browse
At least 6.7 MB of free disk space is required.	
glish	t > Cancel

b. Click [Next] button to continue the installation.

J Setup - JAHC	- 🗆 X
Select Start Menu Folder Where should Setup place the prog	gram's shortcuts?
	ram's shortcuts in the following Start Menu folder.
To continue, click Next. If you wou	uld like to select a different folder, click Browse Browse
nglish	
	< <u>B</u> ack <u>N</u> ext > Cancel

c. Select [Create a desktop shortcut] and click [Next] button.

Setup - JAHC		<u>2</u> -	
Select Additional Tasks			
Which additional tasks should be pe			
Select the additional tasks you wou click Next.	uld like Setup to perfor	m while installing JAH	IC, then
Additional shortcuts:			
Create a desktop shortcut			
inglish			
	< <u>B</u> ack	<u>N</u> ext >	Cancel

d. Click [Install] button to continue the installation.

eady to Install Setup is now ready to begin insta	
	alling JAHC on your computer.
Click Install to continue with the i change any settings.	installation, or click Back if you want to review or
Destination location: C:\Program Files (x86)\JAHC	
Start Menu folder: JAHC	
Additional tasks: Additional shortcuts: Create a desktop shortcut	t
	~
	< <u>B</u> ack Install Can
up - JAHC	
stalling	
stalling Please wait while Setup installs JA	HC on your computer.
	HC on your computer.
Please wait while Setup installs JA Extracting files	
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Please wait while Setup installs JA Extracting files	

e. Click [Finish] button to finish the installation. You can select [Launch JAHC] to run the software automatically after finishing the installation.



Notice: The JAHC will be added into boot item when it is installed. It will start up when system boot up.

5.2.3 Startup & shutdown time setup

After install the JAHC software, double click the JAHC icon on taskbar and the setup menu will pop up.

JAHC JEHE Active Hardware Control Technology Manager						- X
Sun	Mon	Tue	Wed	Thur	Fri s	Sat
	Schedule	Resume Tim	le	Shutdo	wn Time	
0	First	, <mark>00 : 0</mark> 0] —	- <mark>00</mark>	: <mark>00</mark> ;	
0	Second	, <mark>00 : 0</mark> 0] —	- <mark>, 00</mark>	: 00	
0	Third	, <mark>00 : 0</mark> 0] —	- 00	: 00	
Plan to	Shutdown Time:		Plan to Resun	ne Time:		
		Confirm	Cancel	2019.09	.06 14:08:39	
						v1.22

One week as a circle, maximum 3 schedules per day. Select each schedule to set up the resume time and shutdown time. Click [Confirm] button to launch the schedule.



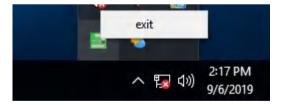
After finishing the setup, the menu window will notice the resume time and shutdown time.

A Caution: If the interval from shutdown time to next resume time is less than 3 minutes, the system will not shut down.

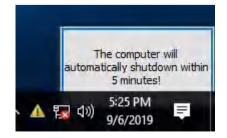
Click [Cancel] button to restore the time settings and cancel the shutdown status.

Click [X] button to hide the menu. You can find it on taskbar.

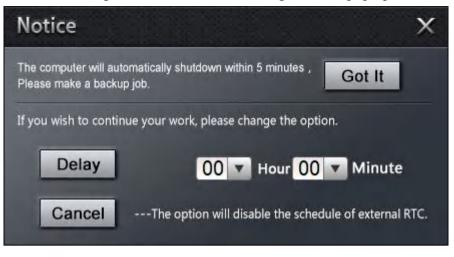
Right click the JAHC icon on taskbar and select [exit] to exit the software.



Shutdown caution: the shutdown caution will pop up before the system shutdown.



You can double click the message window and a new dialog box will pop up.



You can click [Delay] button and set up the time to delay the shutdown or click [Cancel] button to cancel the shutdown.

5.3 Watchdog API and instruction

Please contact Giada FAE (email:support@giadatech.com) for watchdog API software and instruction.



Shenzhen JEHE Technology Development Co., Ltd. Website: www.giadatech.com Phone: +86-755-33300336 Email: support@giadatech.com Address: 1~3/F, Block A, Tsinghua Information Harbor, North Section, Shenzhen Hi-tech Park, Nanshan District, Shenzhen, China