

MegaEdge Series

# AIP-SQ67-A1

**USER MANUAL** 

www.aetina.com

# **Document Change History**

Version	Date	Description	Authors
V1.0	2022/12/12	Initial Release.	Ginnie Lin
V1.1	2023/05/29	PIN define Update	Ginnie Lin

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## **Customer Support Overview**

Contact your distributor, sales representative, or Aetina's customer service center for technical support if you need additional assistance. Please have the following information ready before you call:

- Product name and serial number
- Description of your peripheral attachments
- Description of your software (operating system, version, application software, etc.)
- A complete description of the problem
- The exact wording of any error messages

Visit the Aetina website at <u>https://www.Aetina.com/support-warranty-policy.php</u> where you can find the latest information about the product.

## **Contact Information**

Aetina Corporation | Headquarters 2F-1, No.237, Sec.1, Datong Rd., Xizhi Dist., New Taipei City 221, TAIWAN Phone +886-2-7709 2568 Fax +886-2-7746 1102 Mail <u>sales@Aetina.com</u>

# **Product Warranty (2 years)**

Aetina warrants to you, the original purchaser, that each of its products will be free from defects in materials and workmanship for two years from the date of purchase.

This warranty does not apply to any products which have been repaired or altered by persons other than repair personnel authorized by Aetina, or which have been subject to misuse, abuse, accident or improper installation. Aetina assumes no liability under the terms of this warranty as a consequence of such events.

Because of Aetina's high quality-control standards and rigorous testing, most of our customers never need to use our repair service. If an Aetina product is defective, it will be repaired or replaced at no charge during the warranty period. For out of warranty repairs, you will be billed according to the cost of replacement materials, service time and freight. Please consult your dealer for more details.

If you think you have a defective product, follow these steps:

- 1. Collect all the information about the problem encountered. (For example, CPU speed, Aetina products used other hardware and software used, etc.) Note anything abnormal and list any onscreen messages you get when the problem occurs.
- 2. Call your dealer and describe the problem. Please have your manual, product, and any helpful information readily available.
- 3. If your product is diagnosed as defective, obtain an RMA (return merchandise authorization) number from your dealer. This allows us to process your return more quickly.
- 4. Carefully pack the defective product, a fully-completed Repair and Replacement Order Card and a photocopy of the proof of purchase date (such as your sales receipt) in a shippable container. A product returned without proof of the purchase date is not eligible for warranty service.
- 5. Write the RMA number visibly on the outside of the package and ship it prepaid to your dealer.

# **ESD Warning**

This product, like all electronic products, uses the product that can be damaged by electrostatic discharge (ESD). When handling, care must be taken so that the devices are not damaged. Damage due to inappropriate handling is not covered by the warranty. The following precautions must be taken:

- Do not open the protective conductive packaging until you have read the following and are at an approved anti-static workstation.
- If working on a prototyping board, use a soldering iron or station that is marked as ESD-safe.
- Always disconnect the product from the prototyping board when it is being worked on.
- Always discharge yourself by touching a grounded bare metal surface or approved anti-static mat before picking up an ESD - sensitive electronic component.
- Use an approved anti-static mat to cover your work surface.

# **Safety Precautions**

Please read the following safety instructions carefully. It is advised that you keep this manual for future references:

- 1. All cautions and warnings on the equipment should be noted.
- 2. Make sure the power source matches the power rating of the device.
- 3. Position the power cord so that people cannot step on it. Do not place anything over the power cord.
- 4. For plug-in equipment, the power outlet socket must be located near the equipment and must be easily accessible.
- 5. Disconnect this equipment from any AC outlet before cleaning. Use a damp cloth. Do not use liquid or spray detergents for cleaning.
- 6. Always completely disconnect the power before working on the system's hardware.
- 7. Keep this equipment away from humidity.
- 8. Put this equipment on a reliable surface during installation. Dropping it or letting it fall may cause damage.
- The openings on the enclosure are for air convection. Protect the equipment from overheating. DO NOT COVER THE OPENINGS.
- 10. Be sure that the room in which you choose to operate your system has adequate air circulation. Ensure that the chassis cover is secure.
- 11. The chassis design allows cooling air to circulate effectively. An open chassis permits air leaks, which may interrupt and redirect the flow of cooling air from internal components.
- 12. Never pour any liquid into an opening. This may cause fire or electrical shock.
- 13. If the equipment is not used for a long time, disconnect it from the power source to avoid damage by transient overvoltage.
- 14. Never open the equipment. For safety reasons, the equipment should be opened only by qualified service personnel.
- 15. If any of the following situations arises, please the contact our service personnel:
  - Damaged power cord or plug
  - Liquid intrusion to the device
  - Exposure to moisture
  - Device is not working as expected or in a manner as described in this manual
  - The device is dropped or damaged
  - vi. Any obvious signs of damage displayed on the device

# **Box Contents**

Item	Quantity
MegaEdge System	1
Terminal Plug	1
SATA Tray Screws	8
Bracket, mounting	2

# Contents

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# **1. Product Specifications**

## **1.1 Features**

- With the advantages of high computing performance, High stability, and high flexibility
- EdgeEye, the Aetina Administration platform for device monitor
- Rich I/O interface design for AI Image Input application
- Two swappable 2.5" hard drive bays





# 1.2 Specifications

System Specifications			
Specification	AIP-SQ67-A1		
Processor	Supports Intel® 12th Gen Core™ i7/i5 processors, TDP under 65W		
Chipset	Intel® Q670E Chipset		
Memory	Supports 2x DDR5 4800MHz SO-DIMM, Max. Capacity 32 GB/Per DIMM, Total 64 GB		
GPU(Optional)	MXM Type A、Type B、Type B+ (Supports MXM PCIe Gen4 x16)		
Storage	2x 2.5" SATAIII SSD/HDD		
	2x M.2 M Key Slot, Support PCIe x4 for NVME, Size 2280/SATA		
	6x USB3.2 Gen2 (10G) 1x USB C (20G)		
Front I/O	5x RJ45 LAN Connector(1+4),2.5G bps		
	4x RS-232/RS-422/RS-485 (COM1~4)		
	1x 7-bits GPIO		
	4x Display Port (DP++, From MXM Port A/B/C/D)		
	1x Display Port(DP++, From CPU)		
	1x Audio Jack, Support Line Out/Mic In		
Rear I/O	2x CAN Bus-Isolation 2.0B(optional)		
	2x USB2.0		
	1x OOB		
	1x MXM Slot		
Expansion	2x M.2 M Key Slot, Support PCIe Gen4x4+ SATA Interface for NVME, Size 2280		
	(w/ Type B/B+ GPU Card needs to use wide temp. M.2 SSD)		
Power Input	1x DCIN 24V (Terminal Block)		
Dimension (WxDxH)	270.0 x 148.2 x 280.0mm		
Net Weight	5.5 kg (12.13 lb)		
Temperature	Operating: 0 to 50°C		
Humidity	Operating: 5 to 90% RH ; Storage: 5 to 90% RH		
OS Support	Ubuntu 22.04 v Windows 10		
	(OP)3Grms, IEC60068-2-64, Random,5 ~ 500 Hz ,1Hr / Axis		
VIDITATION	(NON-OP)5Grms, IEC60068-2-64, Random,5 ~ 500 Hz ,1Hr / Axis		
	(OP)10G, IEC 60068-2-27, Half Sine, 11 ms Duration		
SNOCK	(NON-OP)30G, IEC 60068-2-27, Half Sine, 11 ms Duration		
Certification	CE/FCC		

# 2. Hardware Information

# 2.1 I/O Interface





#### I/O Connectors

Location	I/O Connector	Description
	Power On/Off	Power Push-button
	USB ports	6x USB3.2 Gen2 Type-A connector(10G) 1x USB-C (20G)
Front	LAN	5x RJ45 LAN connector Act/Link LED, Speed LED 10-Off / 100-Green / 1000-Yellow(2.5G)
	Digital IO	1x 7-bits GPIO
	COM Ports	4x COM(RS232/RS485/RS422)
	SATA III SSD	2x 2.5" SATAIII SSD/HDD
	USB ports	2x USB2.0 Gen2 Type-A connector
	Power input	DC-in 24V / 4-pin Terminal Block
Rear	Display Port	5x DP Ports (down port from CPU DDI1, up port from MXM A port)
	Audio	1x Audio jacks, support Line out/Mic
	CAN(optional)	2x CAN Bus-Isolation 2.0B
	OOB	Out-of-Band

# 2.2 Component Installation

#### Accessing the System

The system features a lockable top cover. Open the cover to access the motherboard. Remove the system cover to access other system components. The system can be accessed without powering down the system.

- 1. Remove 12 screws on the system cover.
- 2. Flip open the cover to access the system component.
- 3. Slightly slide the system cover.
- 4. Lift the top cover off the chassis.



#### CPU Cooler Installation

- 1. Remove the top cover as above.
- 2. Assemble 4 screws (on the CPU Cooler) to fix the cooler on the SQ67 system.



#### Memory Installation

Slowly insert the DRAM modules into the slots, ensuring that the clips on both sides of the slot securely click into place. When removing the modules, the clips on either side of the module must first be un-clipped.





#### Storage Installation (2.5" HDD/SSD)

- 1. Loosen 2 thumb screws on hard drive bay, then pull out.
- 2. Install HDD/SSD with 4 screws on the HDD/SSD tray.
- 3. Push back the hard drive bay into the system and secure with thumb screws.







# 2.3 Setup

#### 1. Before you start

Thank you for choosing our product. Before you start using the system, please make sure you follow the instructions below.

- Use DP1/2/3/4 connector setting when you already installed MXM card.
- Use DP5 connector setting without MXM card in the system.

#### 2. Boot-up

• Press the power button to power on the device and boot up when plugging in the power cable.



# 2.4 Removing Power

Use the following procedure to ensure that power has been removed from the system.

- 1. Use the operating system to power down the system.
- 2. After the system has completely shut down, disconnect the power cord from the power source.
- 3. Disconnect the power cord from the chassis.

# 2.5 System Dimensions





# 3. BIOS Setup

# 3.1 Beep Codes

PEI Beep Codes	Description
1	Memory not Installed
1	Install Per Memory routine in PEI Core was called twice
2	Recovery started
3	DXEIPL was not found
3	DXE Core firmware volume was not found
4	Recovery failed
4	S3 resume failed
7	Reset PPI is not available

DXE Beep Codes	Description
1	Invalid password
3	Some of the architectural protocols are not available
4	No console input devices found
5	No console output devices found
6	Flash update failed
7	Reset protocol is not available
8	Platform PCI resource requirements cannot be met

# 3.2 Entering BIOS Setup

To enter the BIOS setup, press the DELETE key during system boot.

# **3.3 BIOS Controls**

The BIOS is entirely controlled by the keyboard, using the following keys:

Hot Key	Description
Left/right	Switch selected menu
Up/down	Select item
Enter	Confirm selection or open sub menu
Plus/minus or F5/F6	Change the value of a setting
F1	Display help screen
F2	Restore previous value
F9	Load optimized default
F10	Save the selected setting
ESC	Discard changes and exit BIOS

# 3.4 BIOS Main Tab

Main Advanced Chincet Security	Aptio Setup - AMI	
Main Huvanceu chipset Security	BUUL SAVE & EXIL	
Project Name	AIB-SQ67	
BIOS Version	1.1	
FSP version	00.00.69.74	
RC version	OC.E0.69.74	
FSP Mode	Dispatch Mode	
CPU Type	12th Gen Intel(R)	
	Core(TM) i7–12700E	
CPU ID	0x90672	
Stepping	CO	
L1 Data Cache	48 KB × 8	
L1 Instruction Cache	32 KB × 8	
L2 Cache	1280 KB × 8	
L3 Cache	25 MB	
Number of Efficient–cores	4Core(s) / 4Thread(s)	→+: Select Screen
Number of Performance–cores	8Core(s) / 16Thread(s)	†↓: Select Item
Microcode Revision	23	Enter: Select
Memory RC Version	0.0.4.6	+/-,F5/F6: Change Value
Total Memory	32768 MB	F1: Help
Memory Frequency	4800 MHz	F2: Previous Values
ME FW Version	16.1.25.1885	F9: Optimized Defaults
LAN1 MAC Address	F8-02-78-11-22-37	F10: Save & Reset
LAN2 MAC Address	F8-02-78-11-22-36	Ctrl+P: Enable MEBx Menu
LAN3 MAC Address	F8-02-78-11-22-35	ESC: Exit
LAN4 MAC Address	F8-02-78-11-22-34	
LAN5 MAC Address	00-00-00-00-00 🔻	
Version	2 22 1286 Conucidat (C) 2023	емт

#### Location: Main

Setting Name	Available Options
System Date	01/01/1998 – 31/12/9999 (DD/MM/YYYY)
System Time	00:00:00 – 23:59:59 (HH/MM/SS)

# 3.5 BIOS Advanced Tab

Aptio Setup – AMI Main Advanced Chipset Security Boot Save & Exit	
<ul> <li>ACPI Settings</li> <li>Karning Settings</li> <li>CPU Configuration</li> <li>Power &amp; Performance</li> <li>AMT Configuration</li> <li>Trusted Computing</li> <li>DIO Settings</li> <li>Super IO Configuration</li> <li>Hardware Monitor</li> <li>Serial Port Console Redirection</li> <li>USB Configuration</li> <li>Network Stack Configuration</li> <li>NVMe Configuration</li> <li>BIOS Update</li> </ul>	System ACPI Parameters →+: Select Screen ↑↓: Select Item Enter: Select +/-,F5/F6: Change Value F1: Help F2: Previous Values F9: Optimized Defaults F10: Save & Reset Ctrl+P: Enable MEB× Menu ESC: Exit

#### Location: Advanced > ACPI Settings

Setting Name	Available Options
Wake System from S5 via RTC	Enabled, Disabled
Wake up hour	0 – 23
Wake up minute	0 – 59
Wake up second	0 – 59
State After G3	S0 State, S5 State, Last State
Wake on PME	Enabled, Disabled
ErP Supported	Enabled, Disabled
USB Wake from S3/S4	S3, S4

#### Location: Advanced > Warning Settings

Setting Name	Available Options
Case Open	Enabled, Disabled

#### Location: Advanced > CPU Configuration

Setting Name	Available Options
Intel (VMX) Virtualization	Enabled, Disabled
Technology	
Active Performance-cores	All, 1, 2, 3, 4, 5, 6, 7
Active Efficient-cores	All, 0, 1, 2, 3
Hyper-Threading	Enabled, Disabled

Location: Advanced > Power & Performance > CPU – Power Management Control

Setting Name	Available Options
Intel® SpeedStep™	Enabled, Disabled
Turbo Mode	Enabled, Disabled
C states	Enabled, Disabled
Package C State Limit	C0/C1, C2, C3, C6, C7, C7S, C8, C9, C10, CPU Default,
	Auto

#### Location: Advanced > AMT Configuration

Setting Name	Available Options
USB Provisioning of AMT	Enabled, Disabled
MAC Pass Through	Enabled, Disabled
Active Remote Assistance Process	Enabled, Disabled
Unconfigure ME	Enabled, Disabled

#### Location: Advanced > AMT Configuration > ASF Configuration

Setting Name	Available Options
PET Progress	Enabled, Disabled
WatchDog	Enabled, Disabled
ASF Sensor Table	Enabled, Disabled

#### Location: Advanced > AMT Configuration > Secure Erase Configuration

Setting Name	Available Options
Secure Erase Mode	Simulated, Real
Force Secure Erase	Enabled, Disabled

#### Location: Advanced > AMT Configuration > One Click Recovery Config

Setting Name	Available Options
OCR Https Boot	Enabled, Disabled
OCR PBA Boot	Enabled, Disabled
OCR Windows Recovery Boot	Enabled, Disabled
OCR Disable Secure Boot	Enabled, Disabled

#### Location: Advanced > Trusted Computing

Setting Name	Available Options
Security Device Support	Enabled, Disabled
Pending Operation	None, TPM Clear

#### Location: Advanced > DIO Settings

Setting Name	Available Options
DIO PIN Type 1	Output Low, Output High, Input
DIO PIN Type 2	Output Low, Output High, Input
DIO PIN Type 3	Output Low, Output High, Input
DIO PIN Type 4	Output Low, Output High, Input
DIO PIN Type 5	Output Low, Output High, Input
DIO PIN Type 6	Output Low, Output High, Input
DIO PIN Type 7	Output Low, Output High, Input
DIO PIN Type 8	Output Low, Output High, Input

#### Location: Advanced > Super IO Configuration

Setting Name	Available Options
WatchDog Timer Unit	Second, Minute
Super IO WatchDog Timer	0 – 255
COM1	Enabled, Disabled
Electrical Interface Mode	RS232, RS485, RS422
COM2	Enabled, Disabled
Electrical Interface Mode	RS232, RS485, RS422
COM3	Enabled, Disabled
COM4	Enabled, Disabled
Electrical Interface Mode	RS232, RS485, RS422

#### Location: Advanced > Hardware Monitor

Setting Name	Available Options
CPUFAN1 Mode	Manual mode, SMART FAN
Temperature 1	1 – 255
Temperature 2	1 – 255
Temperature 3	1 – 255
Temperature 4	1 – 255
FD/RPM 1	0 – 100
FD/RPM 2	0 – 100
FD/RPM 3	0 - 100
FD/RPM 4	0 - 100
SYSFAN 1 Mode	Manual mode, SMART FAN
Temperature 1	0 - 100
Temperature 2	0 – 100
Temperature 3	0 – 100
Temperature 4	0 - 100
FD/RPM 1	0 – 100

FD/RPM 2	0 – 100
FD/RPM 3	0 – 100
FD/RPM 4	0 – 100
SYSFAN 2 Mode	Manual mode, SMART FAN
Temperature 1	0 – 100
Temperature 2	0 – 100
Temperature 3	0 – 100
Temperature 4	0 – 100
FD/RPM 1	0 – 100
FD/RPM 2	0 – 100
FD/RPM 3	0 – 100
FD/RPM 4	0 – 100
SYSFAN 3 Mode	Manual mode, SMART FAN
Temperature 1	0 – 100
Temperature 2	0 – 100
Temperature 3	0 – 100
Temperature 4	0 – 100
FD/RPM 1	0 – 100
FD/RPM 2	0 – 100
FD/RPM 3	0 – 100
FD/RPM 4	0 – 100
MXMFAN 1 Mode	Manual mode, SMART FAN
Temperature 1	0 – 100
Temperature 2	0 – 100
Temperature 3	0 – 100
Temperature 4	0 – 100
FD/RPM 1	0 – 100
FD/RPM 2	0 – 100
FD/RPM 3	0 – 100
FD/RPM 4	0 - 100

#### ■ Location: Advanced > Serial Port Console Redirection

Setting Name	Available Options
COM1 Console Redirection	Enabled, Disabled
COM2 Console Redirection	Enabled, Disabled
COM3 Console Redirection	Enabled, Disabled
COM4 Console Redirection	Enabled, Disabled

#### ■ Location: Advanced > USB Configuration

Setting Name	Available Options
USB Mass Storage Driver Support	Enabled, Disabled

#### Location: Advanced > Network Stack Configuration

Setting Name	Available Options
Network Stack	Enabled, Disabled

# 3.6 BIOS Chipset Tab

Aptio Setup – AMI Main Advanced <mark>Chipset</mark> Security Boot Save & Exit	
<ul> <li>System Agent (SA) Configuration</li> <li>PCH-ID Configuration</li> </ul>	System Agent (SA) Parameters **: Select Screen 11: Select Item Enter: Select +/-,F5/F6: Change Value F1: Help F2: Previous Values F9: Optimized Defaults F10: Save & Reset Ctrl+P: Enable MEBx Menu ESC: Exit
Version 2.22.1286 Copyright (C) 2022	AMI

#### Location: Chipset > System Agent (SA) Configuration

Setting Name	Available Options
VT-d	Enabled, Disabled

#### ■ Location: Chipset > System Agent (SA) Configuration > Graphics Configuration

Setting Name	Available Options
Primary Display	Auto, IGFX, PEG Slot, PCH PCI
Internal Graphics	Auto, Disabled, Enabled

#### Location: Chipset > System Agent (SA) Configuration > VMD Setup Menu

Setting Name	Available Options
Enable VMD Controller	Enabled, Disabled

#### Location: Chipset > System Agent (SA) Configuration > PCIe Configuration > PCI Express Root Port 1

Setting Name	Available Options
PCI Express Root Port 1	Enabled, Disabled
PCIe Speed	Auto, Gen1, Gen2, Gen3, Gen4

#### Location: Chipset > System Agent (SA) Configuration > PCIe Configuration > PCI Express Root Port 2

Setting Name	Available Options
PCI Express Root Port 2	Enabled, Disabled
PCIe Speed	Auto, Gen1, Gen2, Gen3, Gen4, Gen5

#### Location: Chipset > System Agent (SA) Configuration > PCle Configuration > PCl Express Root Port 3

Setting Name	Available Options
PCI Express Root Port 3	Enabled, Disabled
PCIe Speed	Auto, Gen1, Gen2, Gen3, Gen4, Gen5

#### Location: Chipset > PCH-IO Configuration > PCI Express Configuration > LAN1

Setting Name	Available Options
LAN1	Enabled, Disabled

#### ■ Location: Chipset > PCH-IO Configuration > PCI Express Configuration > LAN2

Setting Name	Available Options
LAN2	Enabled, Disabled

#### ■ Location: Chipset > PCH-IO Configuration > PCI Express Configuration > LAN3

Setting Name	Available Options
LAN3	Enabled, Disabled

#### Location: Chipset > PCH-IO Configuration > PCI Express Configuration > LAN4

Setting Name	Available Options
LAN4	Enabled, Disabled

#### Location: Chipset > PCH-IO Configuration > PCI Express Configuration > LAN5

Setting Name	Available Options
LAN5	Enabled, Disabled

#### Location: Chipset > PCH-IO Configuration > PCI Express Configuration > M2M1

Setting Name	Available Options
M2M1	Enabled, Disabled
PCIe Speed	Auto, Gen1, Gen2, Gen3, Gen4

#### ■ Location: Chipset > PCH-IO Configuration > PCI Express Configuration > M2M2

Setting Name	Available Options
M2M2	Enabled, Disabled
PCIe Speed	Auto, Gen1, Gen2, Gen3, Gen4

#### ■ Location: Chipset > PCH-IO Configuration > SATA Configuration

Setting Name	Available Options
SATA Controller(s)	Enabled, Disabled
SATA Mode Selection	AHCI
Port 0 (M2M1)	Enabled, Disabled
Port 0 (M2M2)	Enabled, Disabled
Port 5 (SATA1)	Enabled, Disabled
Port 6 (SATA2)	Enabled, Disabled

#### ■ Location: Chipset > PCH-IO Configuration > HD Audio Configuration

Setting Name	Available Options
HD Audio	Enabled, Disabled



# 3.7 BIOS Security Tab

Main Advanced Chipset Se	Aptio Setup – AM curity <u>Boot</u> Save & Exit	I
Password Description If ONLY the Administrator's then this only limits access	password is set, to Setup and is	Set Administrator Password
only asked for when entering If ONLY the User's password is a power on password and m boot or enter Setup. In Setu have Administrator rights. The password length must be in the following range: Minimum length	Setup. is set, then this ust be entered to p the User will 3	
Maximum length Administrator Password User Password	20	<pre>++: Select Screen 1↓: Select Item Enter: Select +/-,F5/F6: Change Value F1: Help F2: Previous Values</pre>
▶ Secure Boot		F9: Optimized Defaults F10: Save & Reset Ctrl+P: Enable MEB× Menu ESC: E×it
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#### Location: Security

Setting Name	Available Options
Administrator Password	3 to 20 characters
User Password	3 to 20 characters

#### Location: Security > Secure Boot

Setting Name	Available Options
Secure Boot	Enabled, Disabled
Secure Boot Mode	Standard, Custom
Restore Factory Keys	Yes, No

# 3.8 BIOS Boot Tab

Aptio Setup – AMI Main Advanced Chipset Security <mark>Boot</mark> Save & Exit		
Boot Configuration Setup Prompt Timeout Bootup NumLock State Quiet Boot OS Selection Boot Option Priorities Boot Option #1	1 [Off] [Enabled] [Windows] [UEFI: Built-in EFI Shell]	Number of seconds to wait for setup activation key. 65535(0×FFFF) means indefinite waiting.
		<pre>++: Select Screen f↓: Select Item Enter: Select +/-,F5/F6: Change Value F1: Help F2: Previous Values F9: Optimized Defaults F10: Save &amp; Reset Ctrl+P: Enable MEB× Menu ESC: Exit</pre>
Ve	rsion 2.22.1286 Copyright (C) 20	22 AMI

#### Location: Boot

Setting Name	Available Options
Setup Prompt Timeout	0 - 9999
Bootup Num Lock State	On, Off
Quiet Boot	Enabled, Disabled
OS Selection	Windows, Linux, Real Time OS
Boot Option #1	UEFI: Built-in EFI Shell, Disabled

# 4. EdgeEye

# Aetina 360 Edge Administration Platform

#### Introduction

EdgeEye, the Aetina 360 Edge Administration Platform, is a browser-accessed management platform that allows you to monitor and manage edge IOT device around the world. EdgeEye can monitor device's hardware components' utilization and capacity and send notifications immediately. EdgeEye accomplishes this by gathering data from all connected devices and storing it on a central server, either in the cloud or on one's intranet. From there, the data is easily accessible from internet-connected cell phones, tablets, or laptops anywhere.

EdgeEye also can remote control edge device, reboot and shutdown device remotely.

Using EdgeEye can reduce management labor and time. Control and manage edge IOT devices anytime and anywhere.



## Feature

#### **Edge Device Management**

Monitor edge devices' hardware status, such as CPU, GPU, Memory's utilization and capacity.

#### **Alert Notification**

Customized alert threshold and when getting abnormal data from edge devices, send warning notification immediately.

#### **Remote Controlling**

Reboot and shut down edge device through the operating system's command from server when needs.

#### **User-Friendly Operation Interface**

User can set and arrange monitoring data format by their needs. Group devices control and Scheduler

## **System Requirements**

#### Web Service

Web browsers support HTML5, CSS3, JavaScript: Microsoft Edge 103.0+ Google Chrome:9.0+ Firefox:15.0+ Safari:5.1+

#### Server

Hardware Minimum Requirements: IntelR Core<sup>™</sup> i3 2.3 Ghz CPU or above I 4 GB RAM I 20 GB root partition for the system I 100 GB data storage Operating System: Ubuntu 14.04+ I Docker 17.03+

#### Client

Support all Aetina products.



#### Aetina Corporation | Headquarters

2F-1, No.237, Sec.1, Datong Rd., Xizhi Dist., New Taipei City 221, TAIWAN Phone: +886-2-7709 2568 Fax : +886-2-7746 1102 Mail : sales@Aetina.com www.aetina.com