G

G

Hυ Hυ G

G

G

G

G

G

G

G

目录

1 ………… 1
1.1 ………… 1
1.2 ………… 2
1.3 ………… 3
1.4 IO ………… 5
1.5 ………… 5
1.6 IO ………… 7
2 ………… 7
2.1 ………… 8
2.2 ………… 9
2.2.1 Serial ATA ………… 9
2.2.2 M2-KEYM1/WIFI1/NGFF_B1 ………… 9
2.2.3 DIMM1/2 ………… 10
3 & ………… 11
3.1 ………… 11
3.2 ………… 11
3.3 CPU_FAN1 ………… 12
3.4 FP ………… 12
3.5 GPIO ………… 13
3.6 COM1/2 ………… 13
3.7 AUDIO1 ………… 14
3.8 JSPK1 ………… 14
3.9 JSATA_PWR1 ………… 15
3.10 LVDS1 ………… 15
3.11 INVT1 ………… [redacted]
3.12 D Ł ȣ

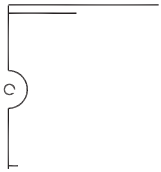
4.7 Boot 30
4.8 Save & Exit 31
5 32
6 WDT 33
6.1 WDT 33
6.1.1 33
7 GPIO 34
7.1 GPIO 34
7.2 34
1 36
2 37

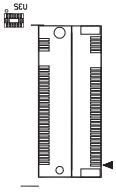
1.2

1.3

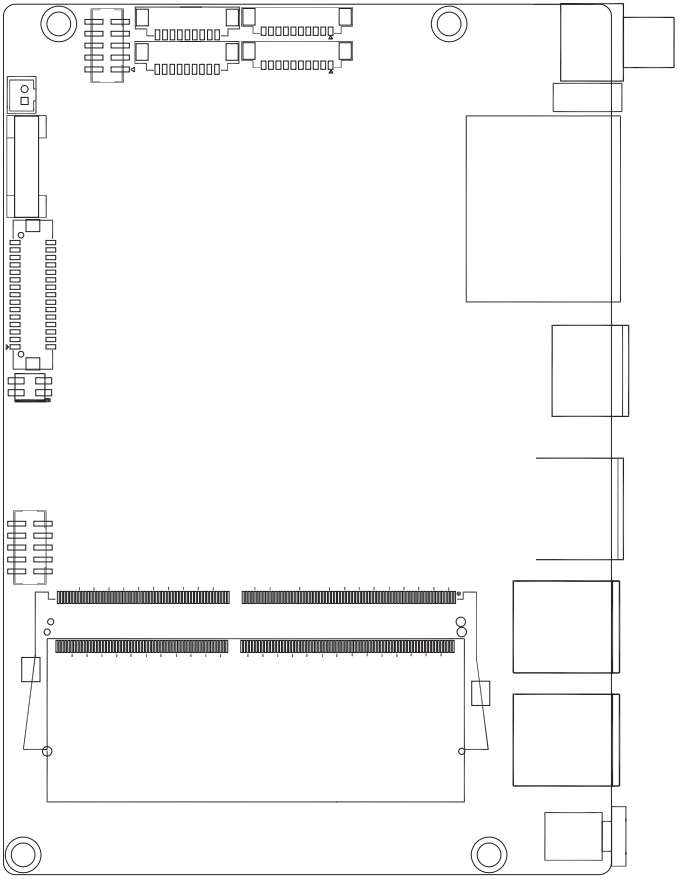


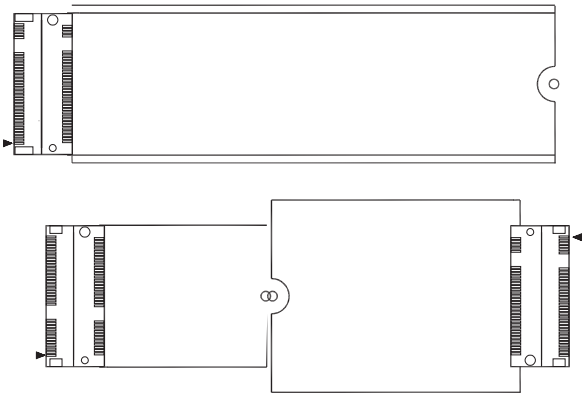





ASC

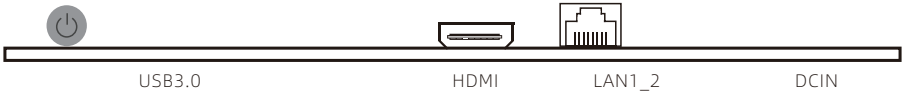

CAN





( )

1.6 IO



- PWRBTN1:
- USB3.0: USB3.0
- DP: DP
- HDMI: HDMI
- LAN1_2: RJ45
- LED:
- DCIN:

2.2

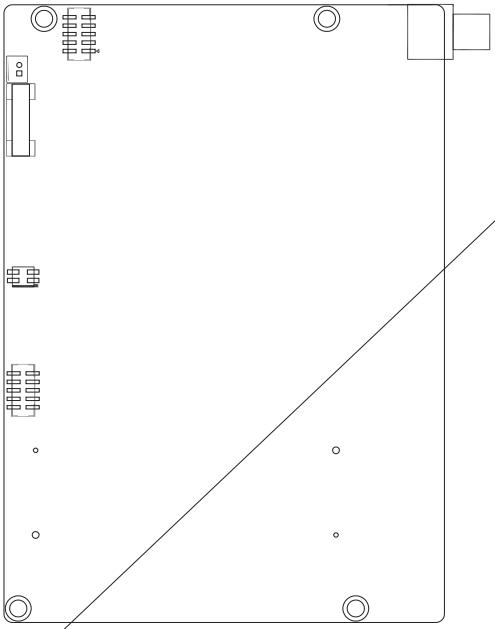
2.2.1 Seuial ATA

Serial ATA
Serial ATA
Serial ATA
G

2.2.2 M2-KEYM1/WIFI1/NGFF_B1

M.2 SSD
30

G
1 M.2 2280 Key-M SATA/
nVME
1 M.2 Key-B3042 4G/5G
(PCIe x1,USB2.0)
1 M.2 Key-E 2230 (PCIe x1,
USB2.0)

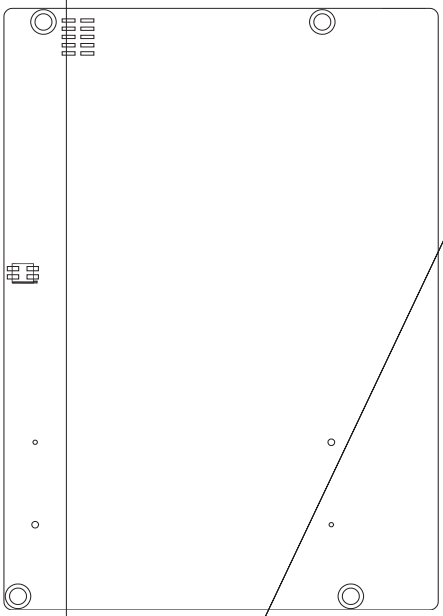


3.1

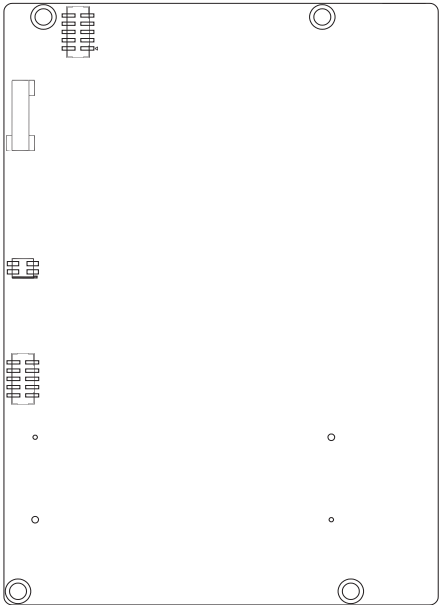
2 Ÿ ÿ G

ÿ ÿ G

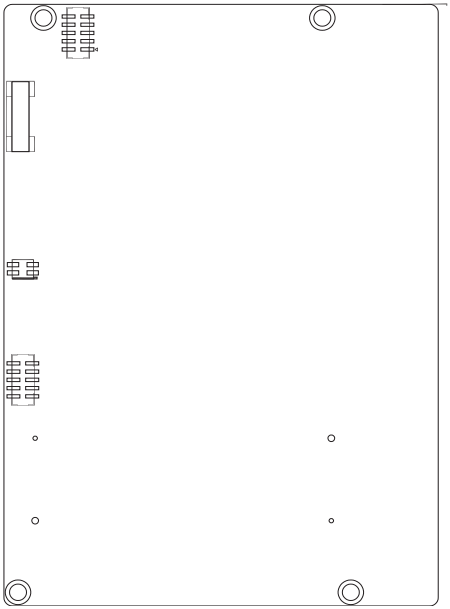
3.3 CPU_FAN1 CPU



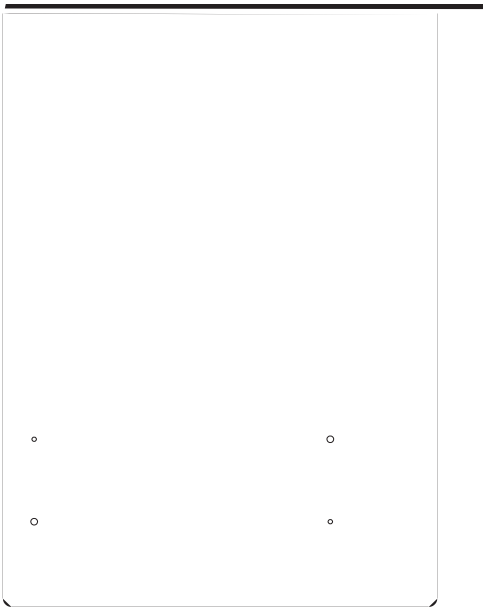
3.5 GPIO GPIO



3.9 JSATA_PWR1 SATA



3.11 INVT1



3.15 CAN





4 BIOS

4.1 BIOS

AMI BIOS G BIOS Basic Input Output System(ÿ G
ROM Ÿ Read-Only Memory) G BIOS

a. POST(Power On Self Test) G
b. G
c. Hυ G
d. SETUP G
BIOS CMOS RAM
G BIOS G CMOS
BIOS G

4.2 BIOS

BIOS Setup G BIOS
G
SETUP
a. SETUP
b. G

BIOS BIOS G
G

4.2.1 BIOS

<DEL> BIOS G

Puevv <Delewe> wo enweu SETUP

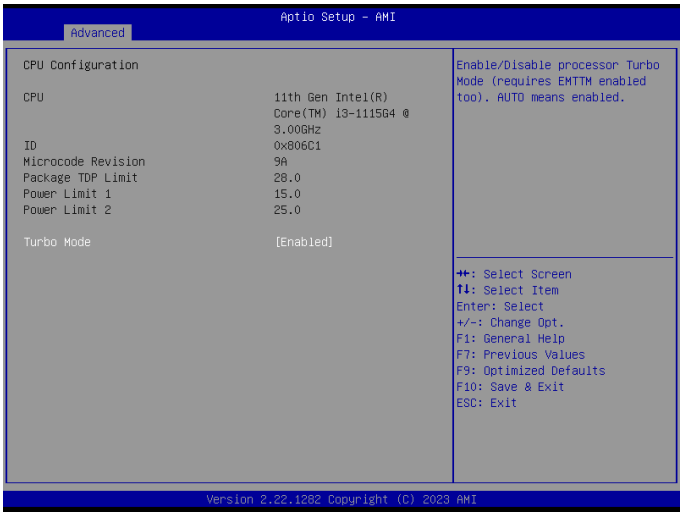
Puevv <F11> wo enweu Boow Menx

4.2.2

<Enter> <F1> <Esc>
G G

	/
	CMOS SETUP
	CMOS

CPU Con gxuawion <Enweu>



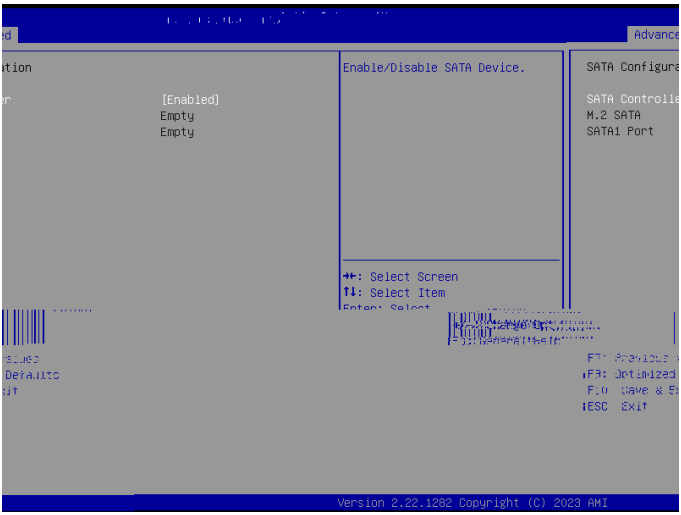
Txubo Mode

Turbo G

Enabled,Disabled.

<Esc> d Advanced d

SATA Con gxuawion <Enweu> Щ



SATA Conwuolleu

SATA G

Enabled,Disabled.

<Esc> d Advanced d

Po z eu Sewingv <Enweu>



Wake on LAN

G

Enabled,Disabled.

LAN Wakexp

G

Enabled,Disabled.

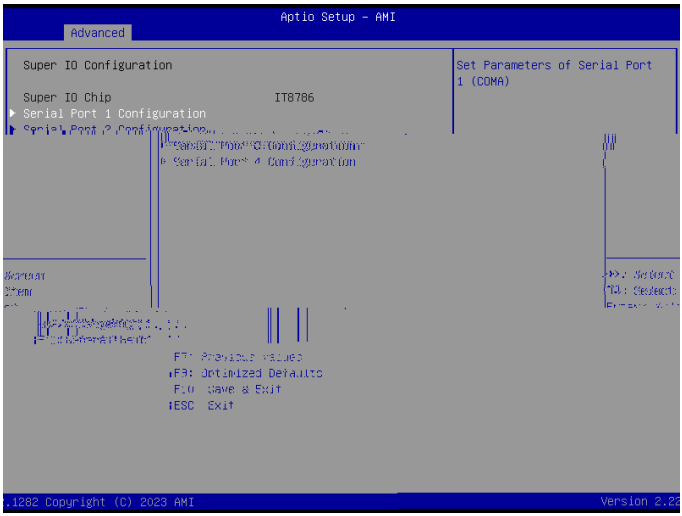
RTC Wakexp

RTC G

Disabled, Fixed Time,Dynamic Time.

<Esc> d Advanced d

Sxpeu IO Con gxuawion <Enweu>

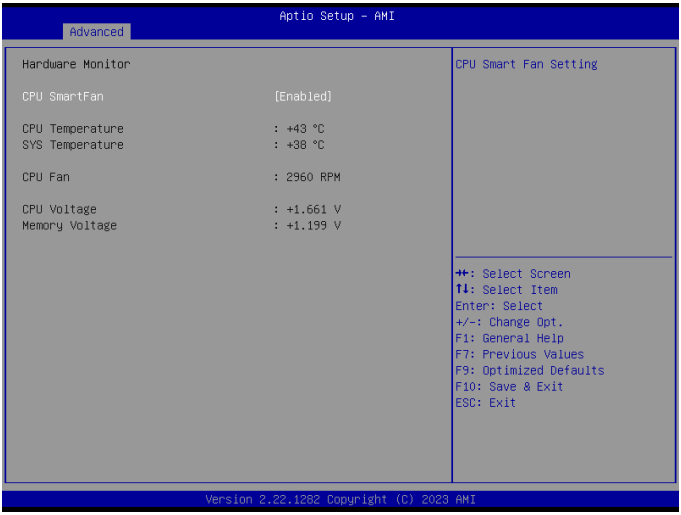


Seuial Pouw 1/2/3/4 Con gxuawion

G

<Esc> d Advanced d

Haud z aue Moniwou <Enweu>



CPU SmauwFan

CPU G

Disable,Enable.

<Esc> d Advanced d

4.5 Chipview

WIFI

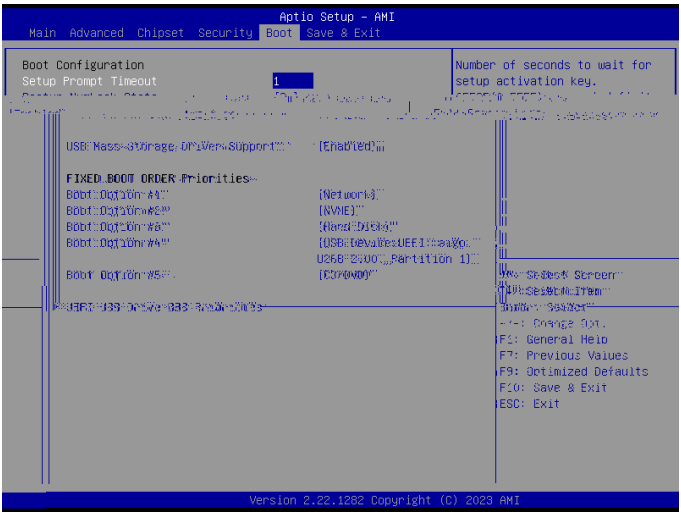
4.6 Secxuiw|

Adminivwuawou Pavv z oud

1. Administrator Password <Enter> G
2. d Create New Password d 3~20

<Enter> d Con f rm Password d ›₀ Æ c Dgons

4.7 Boow



Sewxp Puompw Timeoxw

G

Boowxp NxmLock Swawe

Numlock G On NumLock

G Of Numlock G

On,Of.

FxII Scueen Logo

G

Enabled,Disabled.

USB Mavv Swouage Duiyeu Sxppouw

USB G

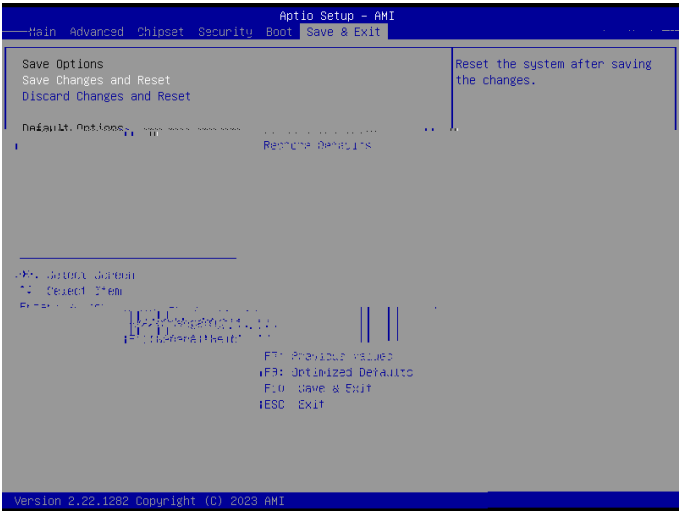
Enabled,Disabled.

Boow Opwion #1/2/4/5

G

NVMe,Hard Disk,CD/DVD,USB Hard Disk,USB Key,USB CD/DVD,Net work,UEFI AP.

4.8 Saye & E{iw



Saye Changev and Revew

G

Revwoue Defaxlwv

G

5

G

X \AUTORUN.EXE Ÿ X ÿ G



( )

G

6 WDT

6.1 WDT

WDT SIO ITE8786 Logic Device 7 72h bit7
0 1 G
73h 74h 73h 0x20 74h 0x00 32 / WDT G

6.1.1 timer duration WDT G

1.Enter SIO configuration mode, write to IO port address 0x2e in sequence 0x87, 0x01,0x55,0x55.

```
IoWrite8(0x2E, 0x87);
IoWrite8(0x2E, 0x01);
IoWrite8(0x2E, 0x55);
IoWrite8(0x2E, 0x55);
```

2.Enter LDN7.

```
IoWrite8(0x2E, 0x07);
IoWrite8(0x2F, 0x07);
```

3.Set watchdog Timing unit second or minute

a:If it set to second

```
IoWrite8(0x2E, 0x72);
IoWrite8(0x2F, 0xC0);
```

b:If it set to minute

```
IoWrite8(0x2E, 0x72);
IoWrite8(0x2F, 0x40);
```

4.Set timer duration

```
IoWrite8(0x2E, 0x73); //
IoWrite8(0x2F, timer duration);
IoWrite8(0x2E, 0x74); //
IoWrite8(0x2F, 0x00);
```

Note: If you want to stop the watchdog function, just fll in the timer duration register with 0x00.

```
IoWrite8(0x2E, 0x73);
IoWrite8(0x2F, 0x00);
IoWrite8(0x2E, 0x74);
IoWrite8(0x2F, 0x00);
```

5.Exit SIO Conf gure model

```
IoWrite8(0x2E, 0x2);
IoWrite8(0x2F, 0x2);
```

7 GPIO

7.1 GPIO

AioT3-TGU 8 GPIO SIO Ÿ ITE8786 ÿ GP71 GP70 GP87 GP86 GP85 GP84 GP83 GP82 2-1 PCB GPIO ɢ

7.2

GPIO GPIO_7X GPIO_8X GPIO SIO GPIO /

/ ɢ

GPIO SIO Ÿ ITE8786 ÿ Logic Device 7 GPIO / IOSpace ɢ

1 SIO SIO index port 0x87, 0x01,0x55,0x55.

```
IoWrite8(0x2E, 0x87);
IoWrite8(0x2E, 0x01);
IoWrite8(0x2E, 0x55);
IoWrite8(0x2E, 0x55);
```

2 LDN:7

```
IoWrite8(0x2E, 0x07);
IoWrite8(0x2F, 0x07);
```

3 GPIO / CEh Bit0-Bit7 v Ť__ t7 ş
