



UP Xtreme PTL Edge

UP System
UPX-PTL01-SYS

User's Manual 1st Ed

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Packing List

Before setting up your product, please make sure the following items have been shipped:

Item	Quantity
● UP Xtreme PTL Edge	1

If any of these items are missing or damaged, please contact your distributor or sales representative immediately.

About this Document

This User's Manual contains all the essential information, such as detailed descriptions and explanations on the product's hardware and software features (if any), its specifications, dimensions, jumper/connector settings/definitions, and driver installation instructions (if any), to facilitate users in setting up their product.

Users may refer to the product page at AAEON.com for the latest version of this document.

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 device 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. Always completely disconnect the power before working on the system's hardware.
5. No connections should be made when the system is powered as a sudden rush of power may damage sensitive electronic components.
6. If the device is not to be used for a long time, disconnect it from the power supply to avoid damage by transient over-voltage.
7. Always disconnect this device from any AC supply before cleaning.
8. While cleaning, use a damp cloth instead of liquid or spray detergents.
9. Make sure the device is installed near a power outlet and is easily accessible.
10. Keep this device away from humidity.
11. Place the device on a solid surface during installation to prevent falls
12. Do not cover the openings on the device to ensure optimal heat dissipation.
13. Watch out for high temperatures when the system is running.
14. Do not touch the heat sink or heat spreader when the system is running
15. Never pour any liquid into the openings. This could cause fire or electric shock.
16. As most electronic components are sensitive to static electrical charge, be sure to ground yourself to prevent static charge when installing the internal components. Use a grounding wrist strap and contain all electronic components in any static-shielded containers.

17. If any of the following situations arises, please the contact our service personnel:
 - i. Damaged power cord or plug
 - ii. Liquid intrusion to the device
 - iii. Exposure to moisture
 - iv. Device is not working as expected or in a manner as described in this manual
 - v. The device is dropped or damaged
 - vi. Any obvious signs of damage displayed on the device
18. **DO NOT LEAVE THIS DEVICE IN AN UNCONTROLLED ENVIRONMENT WITH TEMPERATURES BEYOND THE DEVICE'S PERMITTED STORAGE TEMPERATURES (SEE CHAPTER 1) TO PREVENT DAMAGE.**

FCC Statement

Warning!



This device complies with Part 15 FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received including interference that may cause undesired operation.

Caution:

There is a danger of explosion if the battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the manufacturer. Dispose of used batteries according to the manufacturer's instructions and your local government's recycling or disposal directives.

Attention:

Il y a un risque d'explosion si la batterie est remplacée de façon incorrecte. Ne la remplacer qu'avec le même modèle ou équivalent recommandé par le constructeur. Recycler les batteries usées en accord avec les instructions du fabricant et les directives gouvernementales de recyclage.

产品中有毒有害物质或元素名称及含量

AAEON System

QO4-381 Rev.A2

部件名称	有毒有害物质或元素					
	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr(VI))	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
印刷电路板 及其电子组件	×	○	○	○	○	○
外部信号 连接器及线材	×	○	○	○	○	○
外壳	○	○	○	○	○	○
中央处理器 与内存	×	○	○	○	○	○
硬盘	×	○	○	○	○	○
液晶模块	×	○	○	○	○	○
光驱	×	○	○	○	○	○
触控模块	×	○	○	○	○	○
电源	×	○	○	○	○	○
电池	×	○	○	○	○	○

本表格依据 SJ/T 11364 的规定编制。
○：表示该有毒有害物质在该部件所有均质材料中的含量均在 GB/T 26572 标准规定的限量要求以下。
×：表示该有害物质的某一均质材料超出了 GB/T 26572 的限量要求，然而该部件仍符合欧盟指令 2011/65/EU 的规范。
环保使用期限(EFUP (Environmental Friendly Use Period)) : 10 年
备注：
一、此产品所标示之环保使用期限，系指在一般正常使用状况下。
二、上述部件物质中央处理器、内存、硬盘、光驱、电源为选购品。
三、上述部件物质液晶模块、触控模块仅一体机产品适用。

China RoHS Requirement (EN)

Name and content of hazardous substances in product

AAEON System

QO4-381 Rev.A2

Part Name	Hazardous Substances					
	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr(VI))	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
PCB Assemblies	×	○	○	○	○	○
Connector and Cable	×	○	○	○	○	○
Chassis	○	○	○	○	○	○
CPU and Memory	×	○	○	○	○	○
Hard Disk	×	○	○	○	○	○
LCD Modules	×	○	○	○	○	○
CD-ROM/DVD-ROM	×	○	○	○	○	○
Touch Modules	×	○	○	○	○	○
Power	×	○	○	○	○	○
Battery	×	○	○	○	○	○

The table is prepared in accordance with the provisions of SJ/T 11364.

○ : Indicates that said hazardous substance contained in all of the homogenous materials for this product is below the limit requirement of GB/T 26572.

× : Indicates that said hazardous substance contained in at least one of the homogenous materials used for this part is above the limit requirement of GB/T 26572. But this product still be compliance with 2011/65/EU Directive (allowed with 2011/65/EU Annex III of RoHS exemption with number 6(c),7(a),7(c)-1).

EFUP (Environment Friendly Use Period) value: 10 years.

Notes:

1. This product defined period of use is under normal condition.

2. In above part, CPU/Memory/ Hard Disk/CD-ROM/DVD-ROM/ Power are optional.

3. In above part, LCD Modules/ Touch Modules are for all-in-one product model.

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Chapter 1

Product Specifications

1.1 Specifications

System

CPU	Intel® Core™ Ultra 5 Processor 325 Intel® Core™ Ultra 7 Processor 356H Intel® Core™ Ultra X7 Processor 358H
Memory	Dual-Channel DDR5 SODIMM × 2, up to 128GB (up to 7200 MT/s)
Graphics	Intel® Core™ Ultra 5 Processor 325 - Intel® Graphics Intel® Core™ Ultra 7 Processor 356H - Intel® Graphics Intel® Core™ Ultra X7 Processor 358H - Intel® Arc™ B390
Storage	M.2 2280 M-Key x 2
Ethernet	2.5GbE x 2 (Intel® Ethernet Controller I226-IT)
Wi-Fi/BT	M.2 2230 E-Key x 1
Expansion Slot	40-pin GPIO x 1 M.2 2230 E-Key x 1 (PCIe Gen 4 [x1], USB 2.0) M.2 2280 M-Key x 2 (PCIe Gen 4 [x4], PCIe Gen 5 [x4])
Security	Onboard TPM 2.0
OS Support	Windows 11 IoT Enterprise Ubuntu 24.04 LTS

I/O

USB	USB 3.2 Gen 2 (Type-A) x 2 USB 4.0 (Type-C) x 2
Display Port	HDMI 2.1 x 2 DP 2.1 x 2 via USB Type-C
Ethernet	2.5GbE x 2 (Intel® Ethernet Controller I226-IT)

I/O

COM	RS-232/422/485 x 2
Audio	Audio Jack x 1 (Mic-in + Line-out)
GPIO	40-pin GPIO x 1

Power Requirement

Power Requirement	19V – 36V DC-in
Power Supply Type	AT/ATX
Power Consumption (Typical)	100W

Mechanical

Mounting	VESA Mount / Wall Mount (optional)
Dimensions (W x H x D)	8.6" x 5.1" x 2" (218mm x 129mm x 49.5mm)
Net Weight	3.13 lb (1.42 kg)
Gross Weight	4.23 lb (1.92 kg)

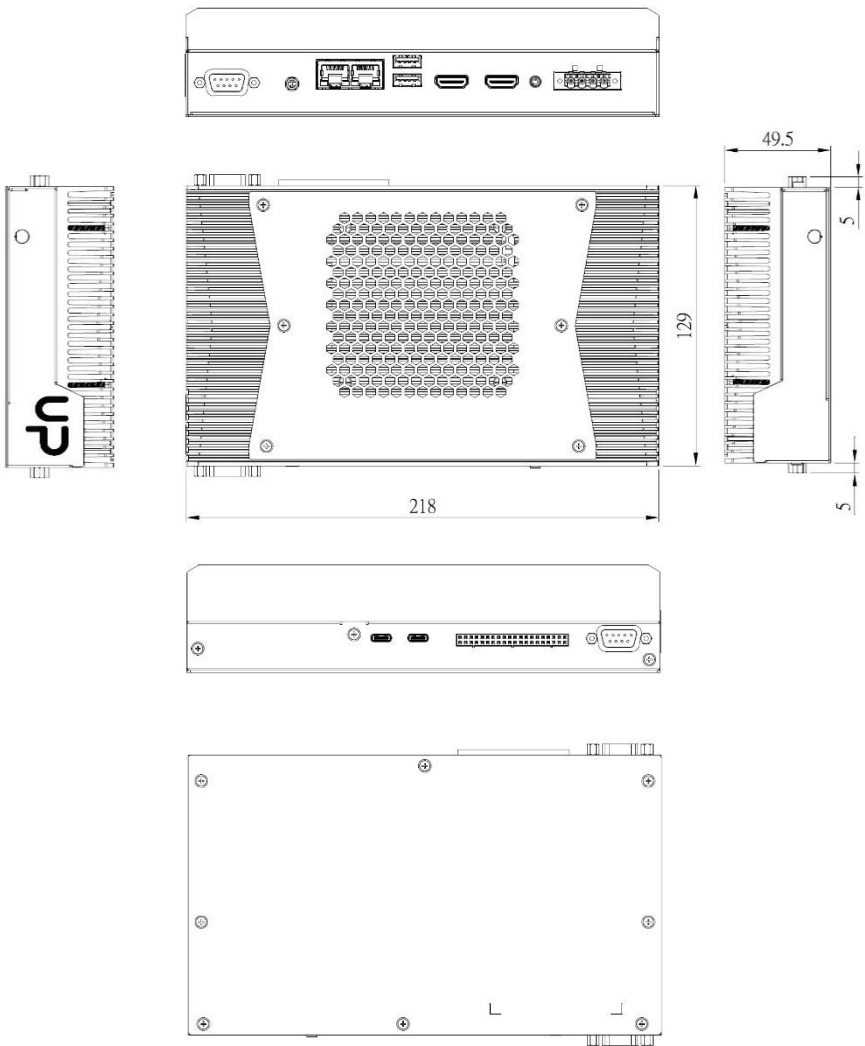
Environment

Operating Temperature	32°F – 140°F (0°C – 60°C), 0.5m/s airflow
Storage Temperature	-40°F – 176°F (-40°C – 80°C)
Operating Humidity	0% – 90% relative humidity, non-condensing
MTBF (Hours)	971,676
Certification	CE/FCC Class A, RoHS Compliant, REACH

Chapter 2

Hardware Information

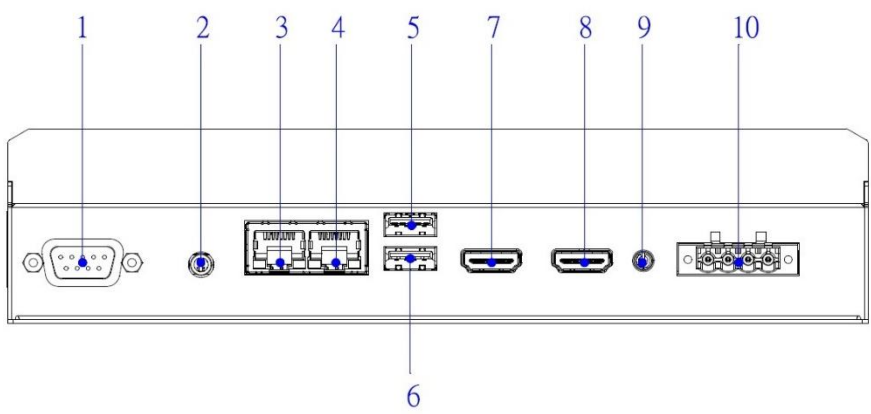
2.1 Dimensions



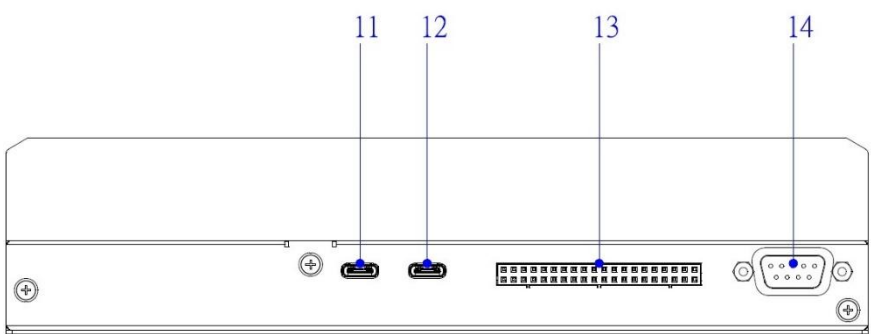
2.2 Jumpers, Connectors, & System I/O

System Level

Front I/O



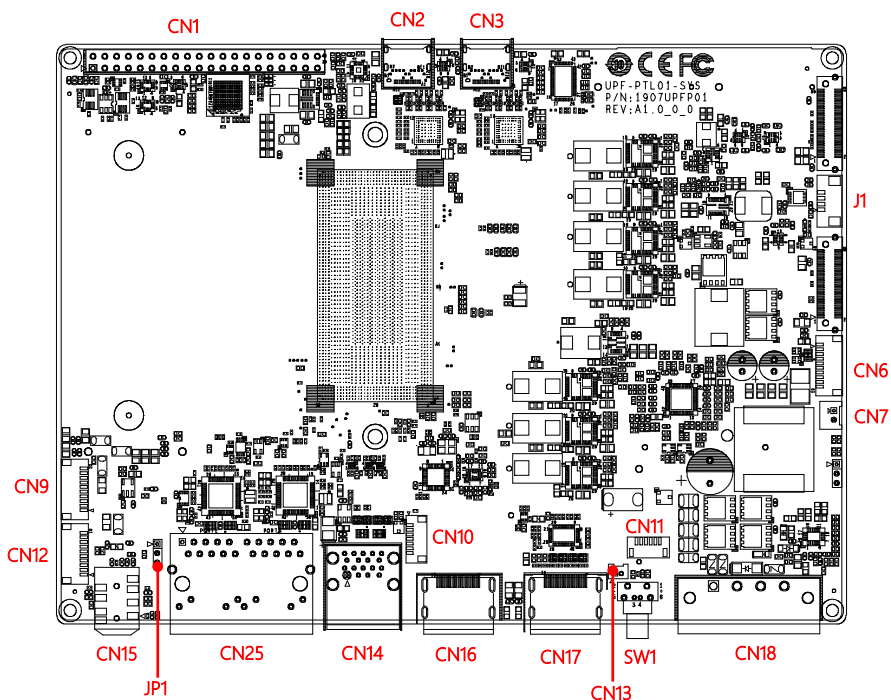
Rear I/O



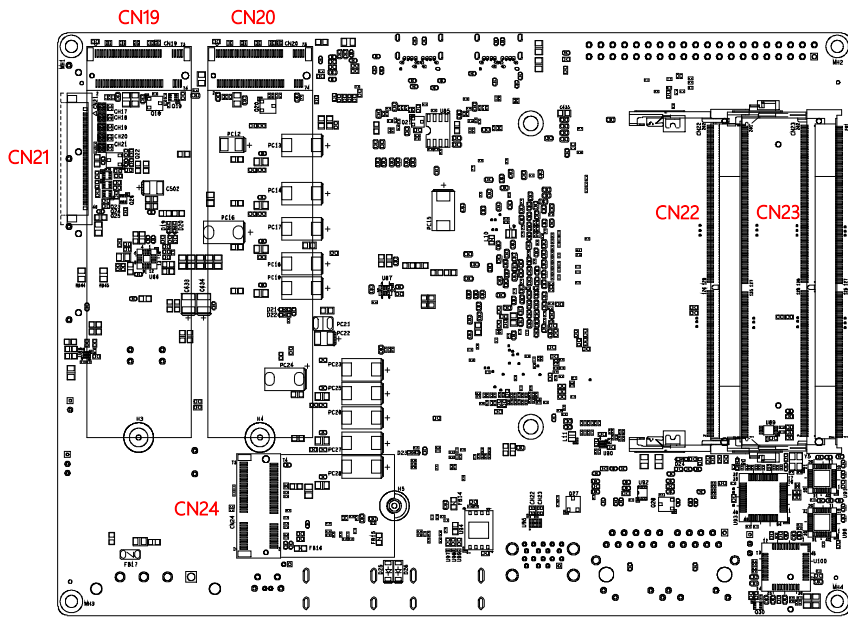
Please refer to the table below for all of the system's physical ports and interfaces.

Label	Function
1	COM Port
2	Audio Jack
3	LAN 1 (2.5GbE)
4	LAN 2 (2.5GbE)
5	USB 3.2 Type-A
6	USB 3.2 Type-A
7	HDMI Port
8	HDMI Port
9	Power Button
10	19V – 36V DC-in
11	USB 4.0 Type-C Port
12	USB 4.0 Type-C Port
13	40-pin GPIO
14	COM Port

Board-Level
Component Side



Solder Side

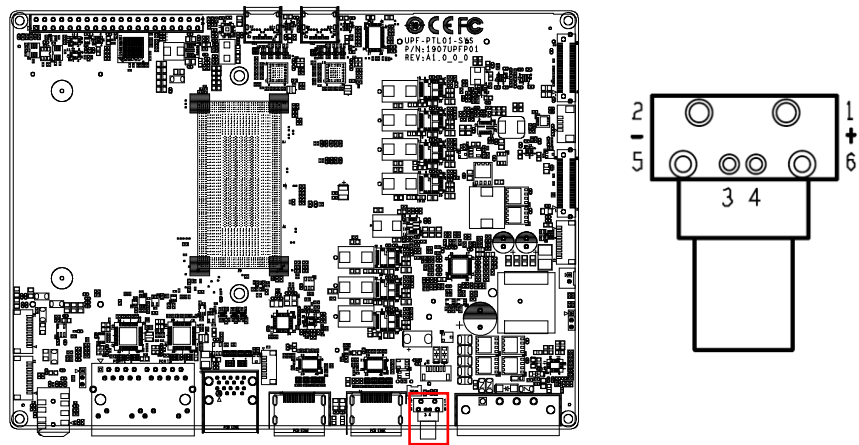


2.3 List of Jumpers & Connectors

Please refer to the table below for all of the board's jumpers and connectors that you can configure for your application. Please note that not all board-level interfaces are configurable at system-level. For more information regarding the UP Xtreme PTL Edge's board level solution, please visit <https://www.aaeon.com/en/product/detail/up-boards-up-xtreme-ptl> .

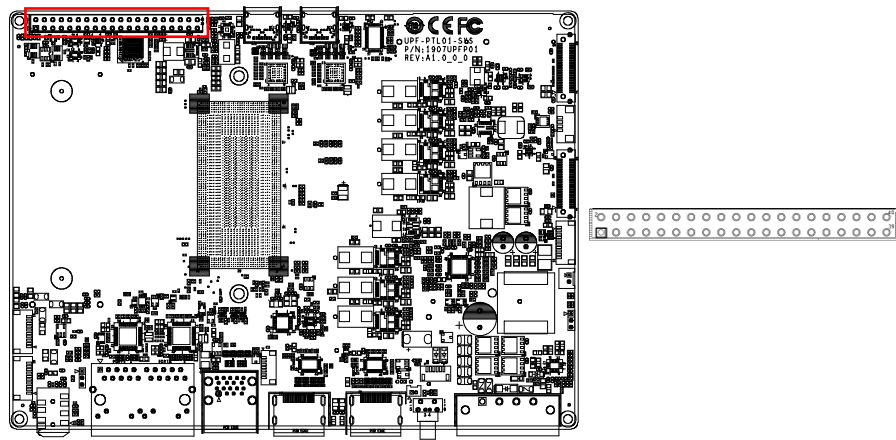
Label	Function
SW1	Power Button
CN1	40-pin GPIO Header
CN2	USB 4.0 Type-C
CN3	USB 4.0 Type-C
CN6	USB 2.0 & UART Header
CN7	12V DC Power Connector
CN9	COM Port Header
CN10	BIOS Flash Header
CN11	Front Panel
CN12	COM Port Header
CN13	RTC
CN14	Dual USB 3.2 Gen 2 Type-A
CN15	Audio Jack
CN16	HDMI Port
CN17	HDMI Port
CN18	DC Power Input Terminal Block
CN19	M.2 2280 M-Key Slot
CN20	M.2 2280 M-Key Slot
CN21	eDP Connector
CN22	DDR5 SODIMM Slot
CN23	DDR5 SODIMM Slot
CN24	M.2 2230 E-Key
J1	Fan Connector
JP1	AT/ATX Mode
CN25	Dual 2.5GbE LAN

2.3.1 Power Button (SW1)



Pin	Signal	Pin	Signal
1	Power Button Signal	2	GND
3	NA	4	NA
5	GND	6	SW1_LED

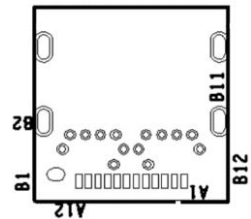
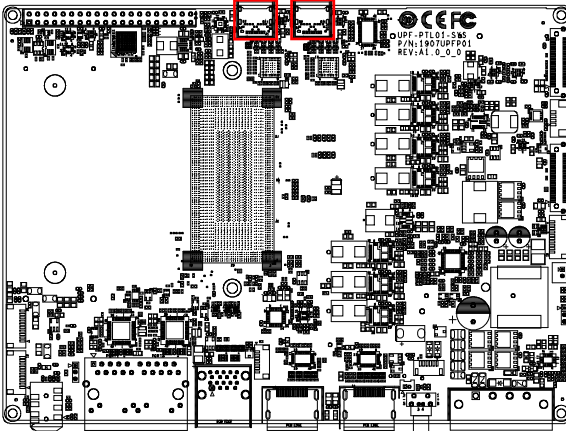
2.3.2 40-pin GPIO Header (CN1)



Pin	Signal	Pin	Signal
1	+3.3V	2	+5V
3	I2C1_DAT / GPIO1	4	+5V

Pin	Signal	Pin	Signal
5	I2C1_CLK / GPIO2	6	GND
7	ANALOG_DATA / GPIO3	8	UART_TX / GPIO16
9	GND	10	UART_RX / GPIO17
11	GPIO4/ UART_RTS	12	I2S_BCLK / GPIO18
13	GPIO5	14	GND
15	GPIO6	16	GPIO19
17	+3.3V	18	GPIO20
19	SPI_MOSI / GPIO7	20	GND
21	SPI_MISO / GPIO8	22	GPIO21
23	SPI_CLK / GPIO9	24	SPI_CS0 / GPIO22
25	GND	26	GPIO23
27	I2C0_DAT / GPIO10	28	I2C0_CLK / GPIO24
29	GPIO11	30	GND
31	GPIO12	32	PWM0 / GPIO25
33	PWM1 / GPIO13	34	GND
35	I2S_SYNC / GPIO14	36	GPIO26/ UART_CTS
37	GPIO15	38	I2S_SDI / GPIO27
39	GND	40	I2S_SDO / GPIO28

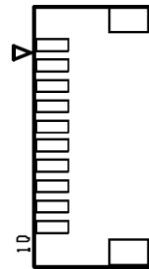
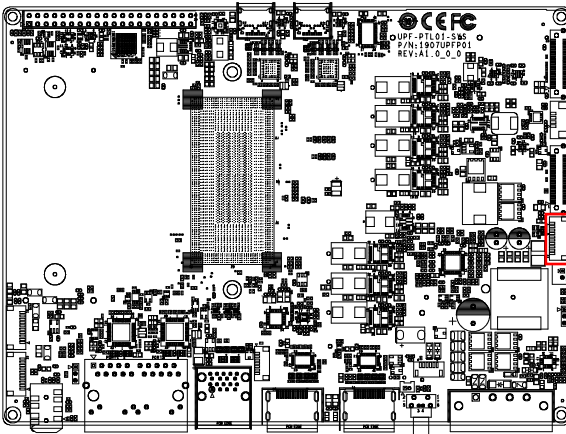
2.3.3 USB 4.0 Type-C (CN2/CN3)



Pin	Signal	Pin	Signal	Pin	Signal
A1	GND	A2	SSTXP1	A3	SSTXN1
A4	+5V	A5	CC1	A6	DP1
A7	DN1	A8	SBU1	A9	+5V

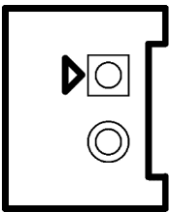
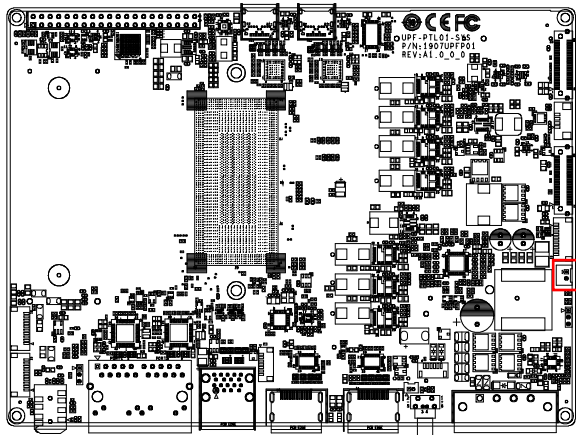
Pin	Signal	Pin	Signal	Pin	Signal
A10	SSRXN2	A11	SSRXP2	A12	GND
B1	GND	B2	SSTXP2	B3	SSTXN2
B4	+5V	B5	CC2	B6	DP1
B7	DN1	B8	SBU2	B9	+5V
B10	SSRXN1	B11	SSRXP1	B12	GND

2.3.4 USB 2.0 & UART Header (CN6)



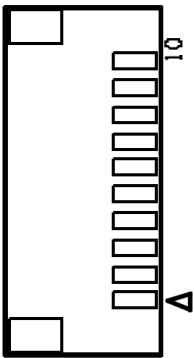
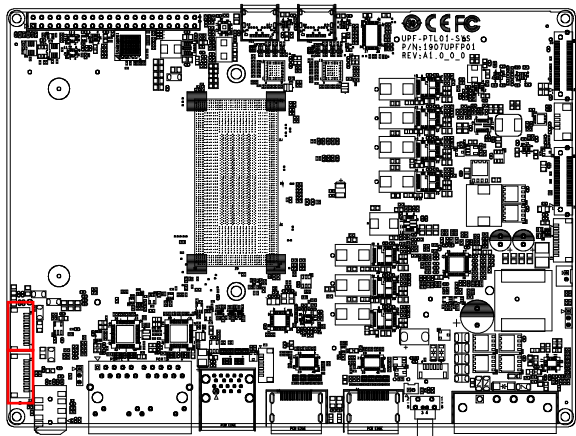
Pin	Signal	Pin	Signal	Pin	Signal
1	+5V	2	USB2_D5-	3	USB2_D5+
4	GND	5	+5V	6	USB2_D6-
7	USB2_D6+	8	GND	9	UART_RX
10	UART_TX				

2.3.5 12V DC Power Connector (CN7)



Pin	Signal	Pin	Signal
1	12V	2	GND

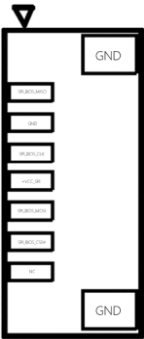
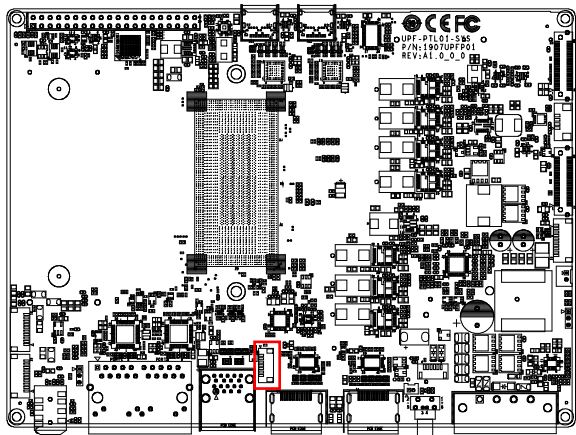
2.3.6 COM Port Header (CN9/CN12)



Pin	Signal	Pin	Signal
1	DCD / RS422TX- /RS485-	2	RX / RS422TX+ / RS485+
3	TX / RS422RX+	4	DTR / RS422RX-
5	GND	6	DSR

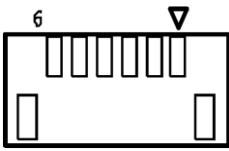
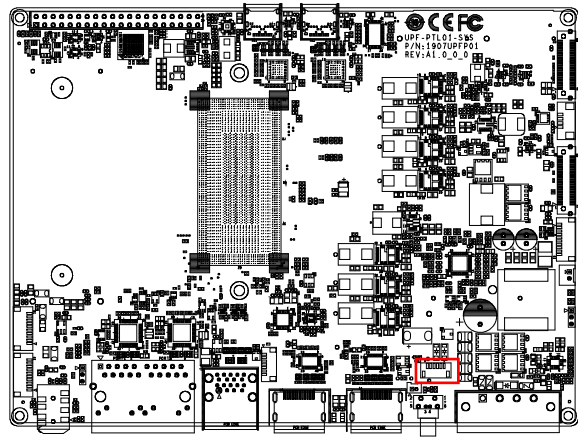
Pin	Signal	Pin	Signal
7	RTS	8	CTS
9	RI	10	NC

2.3.7 BIOS Flash Header (CN10)



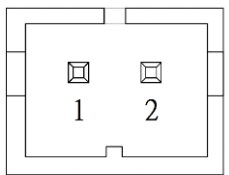
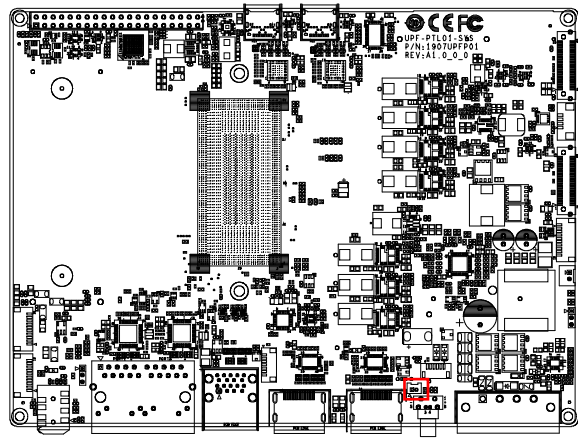
Pin	Signal	Pin	Signal
1	SPI_BIOS_MISO	2	GND
3	SPI_BIOS_CLK	4	+VCC_SPI
5	SPI_BIOS_MOSI	6	SPI_BIOS_CS0#
7	NC		

2.3.8 Front Panel (CN11)



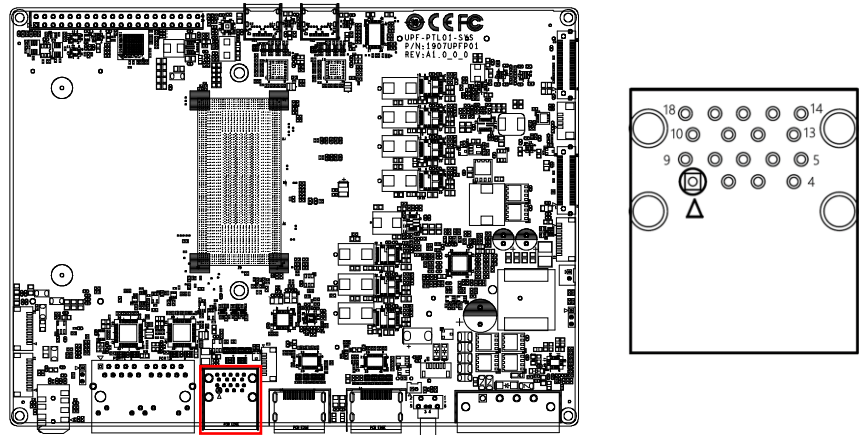
Pin	Signal	Pin	Signal
1	GND	2	RESET
3	GND	4	POWER S/W
5	GND	6	+5V

2.3.9 RTC (CN13)



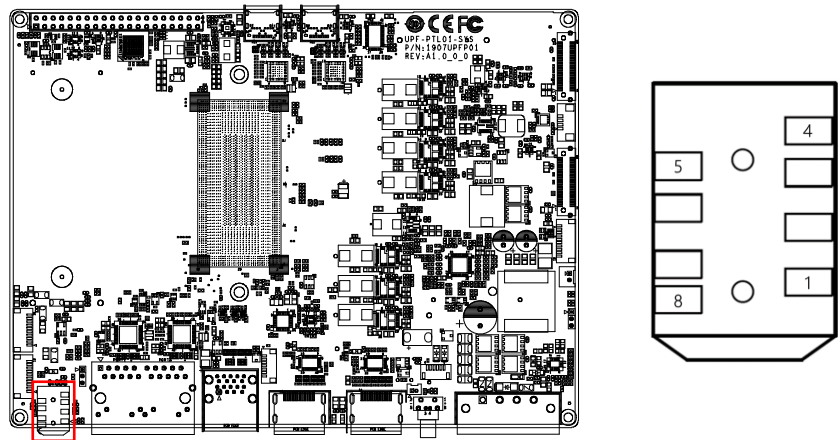
Pin	Signal	Pin	Signal
1	RTC_VCC	2	GND

2.3.10 Dual USB 3.2 Gen 2 Type-A (CN14)



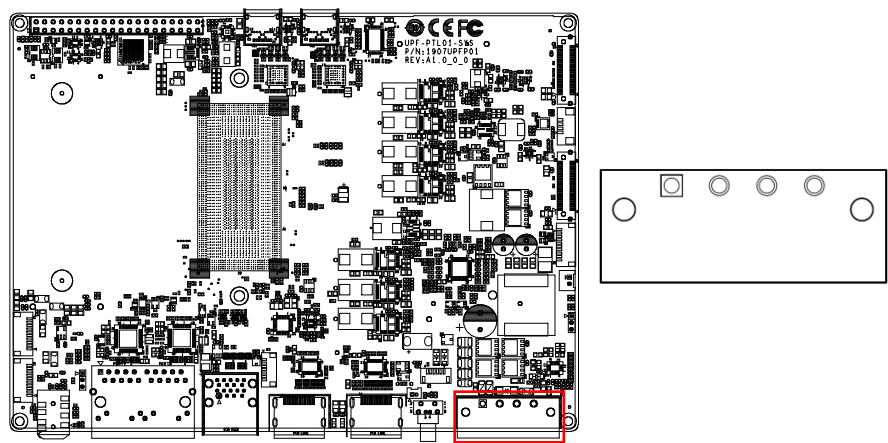
Pin	Signal	Pin	Signal	Pin	Signal
1	+5V	2	USB2_D1-	3	USB2_D1+
4	GND	5	USB3_RX1-	6	USB3_RX1+
7	GND	8	USB3_TX1-	9	USB3_TX1+
10	+5V	11	USB2_D2-	12	USB2_D2+
13	GND	14	USB3_RX2-	15	USB3_RX2+
16	GND	17	USB3_TX2-	18	USB3_TX2+

2.3.11 Audio Jack (CN15)



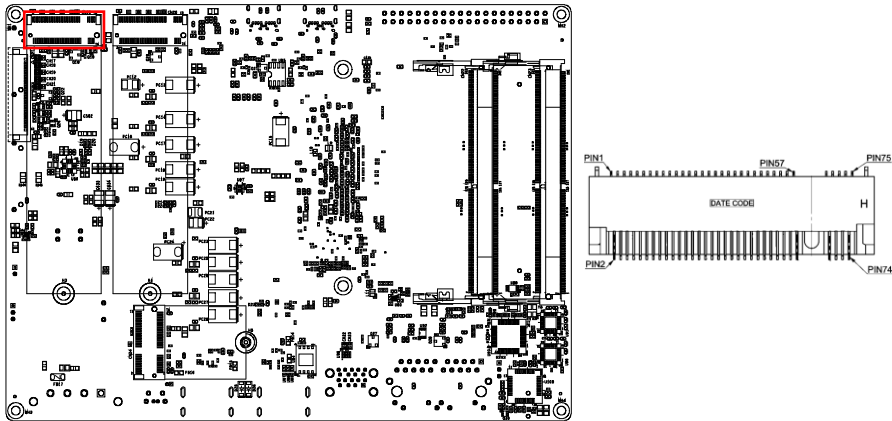
Pin	Signal	Pin	Signal
1	MIC_LR	2	GND
3	LOUT_R	4	NC
5	NC	6	AUDIO-JD
7	NC	8	LOUT_L

2.3.12 DC Power Input Terminal Block (CN18)



Pin	Signal	Pin	Signal
1	VCC	2	VCC
3	GND	4	GND

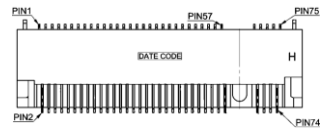
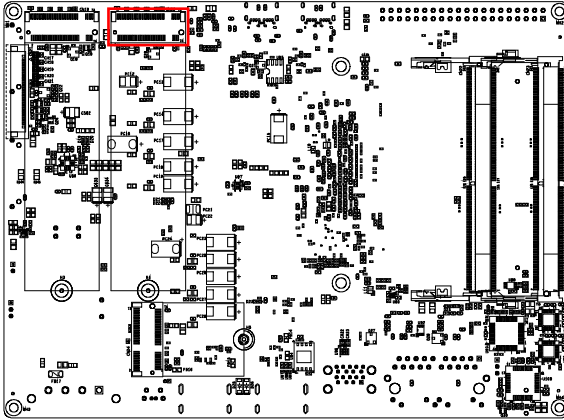
2.3.13 M.2 2280 M-Key Slot (CN19)



Pin	Signal	Pin	Signal	Pin	Signal
1	GND	2	+3.3V	3	NC
4	+3.3V	5	PCIE_RXN3	6	NC
7	PCIE_RXP3	8	NC	9	GND
10	NC	11	PCIE_TXN3	12	+3.3V
13	PCIE_TXP3	14	+3.3V	15	GND
16	+3.3V	17	PCIE_RXN2	18	+3.3V
19	PCIE_RXP2	20	NC	21	GND
22	NC	23	PCIE_TXN2	24	NC
25	PCIE_TXP2	26	NC	27	GND
28	NC	29	PCIE_RXN1	30	NC
31	PCIE_RXP1	32	NC	33	GND
34	NC	35	PCIE_TXN1	36	NC
37	PCIE_TXP1	38	NC	39	GND
40	NC	41	PCIE_RXN0	42	NC
43	PCIE_RXP0	44	NC	45	GND
46	NC	47	PCIE_TXN0	48	NC
49	PCIE_TXP0	50	PLT_RST#	51	GND
52	PCIE_CLKREQ#	53	PCIE_CLK_DN	54	PCIE_WAKE#
55	PCIE_CLK_DP	56	NC	57	GND
58	NC	59	NC	60	NC
61	NC	62	NC	63	NC
64	NC	65	NC	66	NC
67	NC	68	NC	69	NC

Pin	Signal	Pin	Signal	Pin	Signal
70	+3.3V	71	GND	72	+3.3V
73	GND	74	+3.3V	75	GND

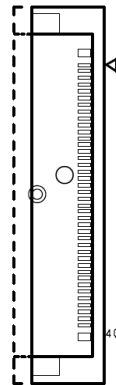
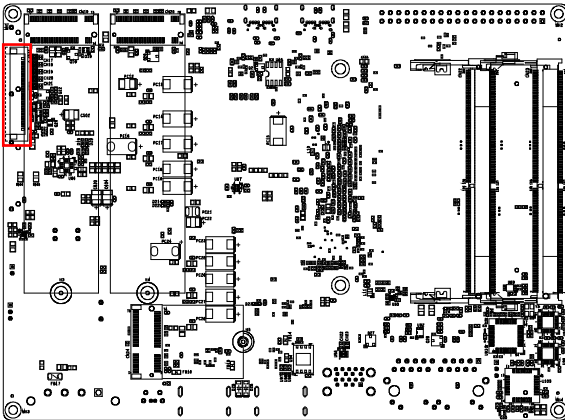
2.3.14 M.2 2280 M-Key Slot (CN20)



Pin	Signal	Pin	Signal	Pin	Signal
1	GND	2	+3.3V	3	NC
4	+3.3V	5	PCIE_RXN3	6	NC
7	PCIE_RXP3	8	NC	9	GND
10	NC	11	PCIE_TXN3	12	+3.3V
13	PCIE_TXP3	14	+3.3V	15	GND
16	+3.3V	17	PCIE_RXN2	18	+3.3V
19	PCIE_RXP2	20	NC	21	GND
22	NC	23	PCIE_TXN2	24	NC
25	PCIE_TXP2	26	NC	27	GND
28	NC	29	PCIE_RXN1	30	NC
31	PCIE_RXP1	32	NC	33	GND
34	NC	35	PCIE_TXN1	36	NC
37	PCIE_TXP1	38	NC	39	GND
40	NC	41	PCIE_RXN0	42	NC
43	PCIE_RXP0	44	NC	45	GND
46	NC	47	PCIE_TXN0	48	NC
49	PCIE_TXP0	50	PLT_RST#	51	GND
52	PCIE_CLKREQ#	53	PCIE_CLK_DN	54	PCIE_WAKE#
55	PCIE_CLK_DP	56	NC	57	GND

Pin	Signal	Pin	Signal	Pin	Signal
58	NC	59	NC	60	NC
61	NC	62	NC	63	NC
64	NC	65	NC	66	NC
67	NC	68	NC	69	NC
70	+3.3V	71	GND	72	+3.3V
73	GND	74	+3.3V	75	GND

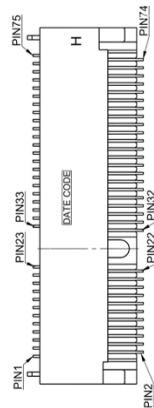
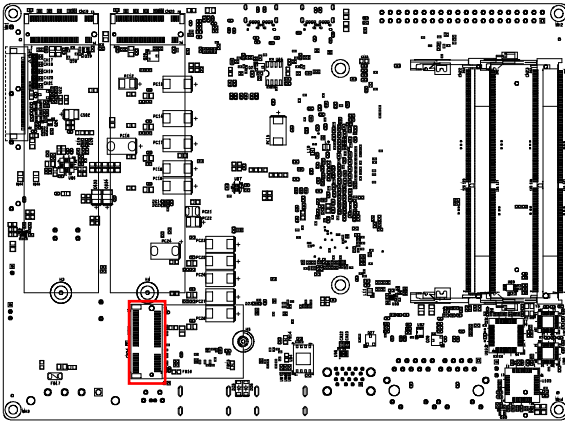
2.3.15 eDP Connector (CN21)



Pin	Signal	Pin	Signal
1	NC	2	GND
3	EDP_TXN3	4	EDP_TXP3
5	GND	6	EDP_TXN2
7	EDP_TXP2	8	GND
9	EDP_TXN1	10	EDP_TXP1
11	GND	12	EDP_TXN0
13	EDP_TXP0	14	GND
15	EDP_AUX_DN	16	EDP_AUX_DP
17	GND	18	+VDD_3V3
19	+VDD_3V3	20	+VDD_3V3
21	+VDD_3V3	22	NC
23	GND	24	GND
25	GND	26	GND
27	EDP_HPD	28	GND
29	GND	30	GND

Pin	Signal	Pin	Signal
31	GND	32	BKLT_EN
33	BKLTNESS	34	NC
35	NC	36	+12V
37	+12V	38	+12V
39	+12V	40	NC

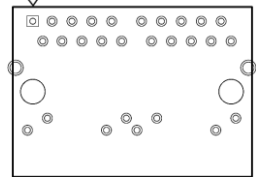
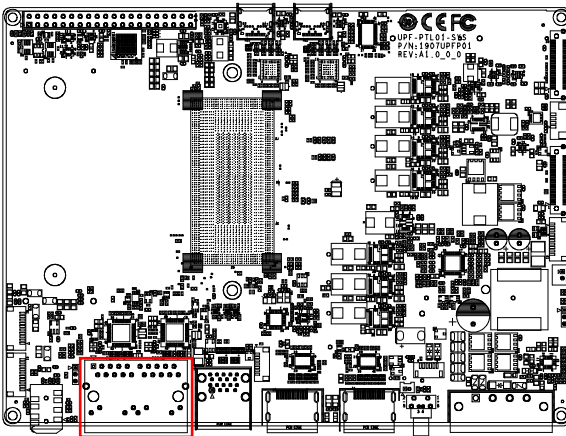
2.3.16 M.2 2230 E-Key (CN24)



Pin	Signal	Pin	Signal	Pin	Signal
1	GND	2	+3.3V	3	USB2_D8+
4	+3.3V	5	USB2_D8-	6	NC
7	GND	8	NC	9	CNV_WR_LANE1_DN
10	CNV_RF_RST#	11	CNV_WR_LANE1_DP	12	NC
13	GND	14	CNV_MODEM_CLKREQ	15	CNV_WR_LANE0_DN
16	NC	17	CNV_WR_LANE0_DP	18	GND
19	GND	20	NC	21	CNV_WR_CLK_DN
22	CNV_BRI_RSP	23	CNV_WR_CLK_DP	24	NC
25	NC	26	NC	27	NC
28	NC	29	NC	30	NC
31	NC	32	CNV_RGI_DT	33	GND
34	CNV_RGI_RSP	35	PCIE11_TXP	36	CNV_BRI_DT
37	PCIE11_TXN	38	NC	39	GND
40	NC	41	PCIE11_RXP	42	NC
43	PCIE11_RXN	44	CNV_PA_BLANKING	45	GND

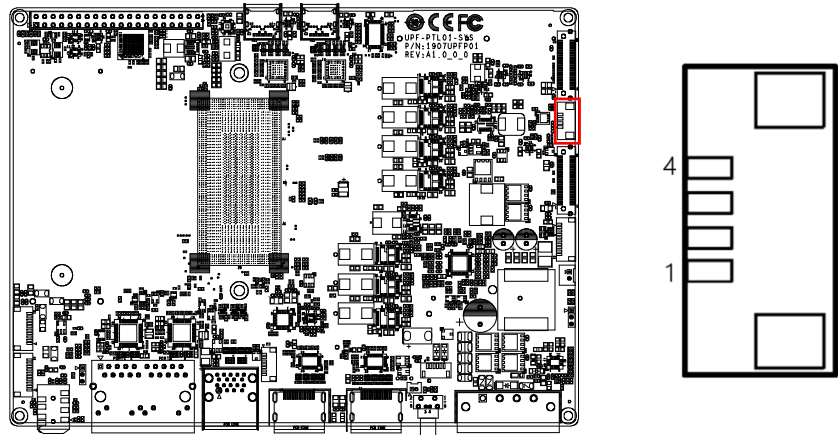
Pin	Signal	Pin	Signal	Pin	Signal
46	NC	47	PCIE_CLK2P	48	NC
49	PCIE_CLK2N	50	NC	51	GND
52	BUF_PLT_RST#	53	PCIE_CLKREQ#	54	BT_EN
55	PCIE_WAKE#	56	WIFI_EN	57	GND
58	NC	59	CNV_WT_LANE1_DN	60	NC
61	CNV_WT_LANE1_DP	62	NC	63	GND
64	NC	65	CNV_WT_LANE0_DN	66	NC
67	CNV_WT_LANE0_DP	68	NC	69	GND
70	NC	71	CNV_WT_CLK_DN	72	+3.3V
73	CNV_WT_CLK_DP	74	+3.3V	75	GND

2.3.17 Dual 2.5GbE LAN (CN25)



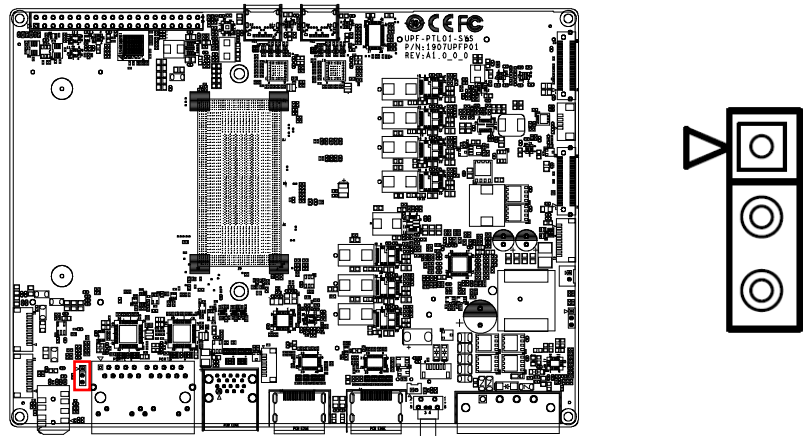
Pin	Signal	Pin	Signal	Pin	Signal
R1A	LAN1_MDIO+	R2A	LAN1_MDIO-	R3A	LAN1_MDI1+
R4A	LAN1_MDI1-	R5A	GND	R6A	GND
R7A	LAN1_MDI2+	R8A	LAN1_MDI2-	R9A	LAN1_MDI3+
R10A	LAN1_MDI3-	L1A	LAN1_ACTLED-	L2A	LAN1_ACTLED+
L3A	LAN1_LED_100#	L4A	LAN1_LED_1000#	R1B	LAN2_MDIO+
R2B	LAN2_MDIO-	R3B	LAN2_MDI1+	R4B	LAN2_MDI1-
R5B	GND	R6B	GND	R7B	LAN2_MDI2+
R8B	LAN2_MDI2-	R9B	LAN2_MDI3+	R10B	LAN2_MDI3-
L1B	LAN2_ACTLED-	L2B	LAN2_ACTLED+	L3B	LAN2_LED_100#
L4B	LAN2_LED_1000#				

2.3.18 Fan (J1)



Pin	Signal	Pin	Signal
1	PWM	2	TACH
3	GND	4	12V

2.3.19 AT/ATX Mode (JP1)



Pin	Signal	Pin	Signal
1	ATX_MODE	2	AT/ATX select
3	AT_MODE		

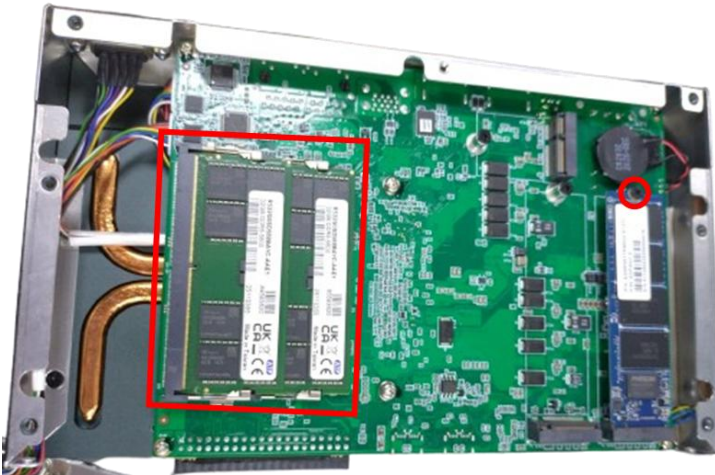
2.4 RAM & M.2 SSD Installation

Before you begin, make sure you have the RAM module(s) and SSDs you wish to install, along with thermal pads for each.

1. Remove the eight (8) screws on the bottom plate.



2. Remove the M.2 screw, install the M.2 SSD, and then tighten the screw to affix the module to the motherboard.



3. For RAM module installation, align your DDR module(s) with the slots on the motherboard, then apply even pressure on both ends of the RAM stick until you hear a distinct "click", which indicate the clips snapping shut, securing the module.
4. Apply the thermal pads to the M.2 SSD and DDR modules, using the white thermal pad for the lower DDR layer.



5. Reattach the bottom cover and tighten the screws in the order shown in the diagram.



Chapter 3

Software Installation

3.1 Linux Setup

The UP Xtreme PTL Edge supports Linux operating systems (see Chapter 1 for specifications). For instructions on how to install a Linux OS onto your UP Xtreme PTL Edge, you can find several guides and tutorials in the wiki section of the UP Board website at <https://up-board.org> for both installing supported distributions as well as porting your own Linux build.

3.2 Windows Setup

Drivers for the UP Xtreme PTL Edge can be downloaded from the UP Board website by following the link:

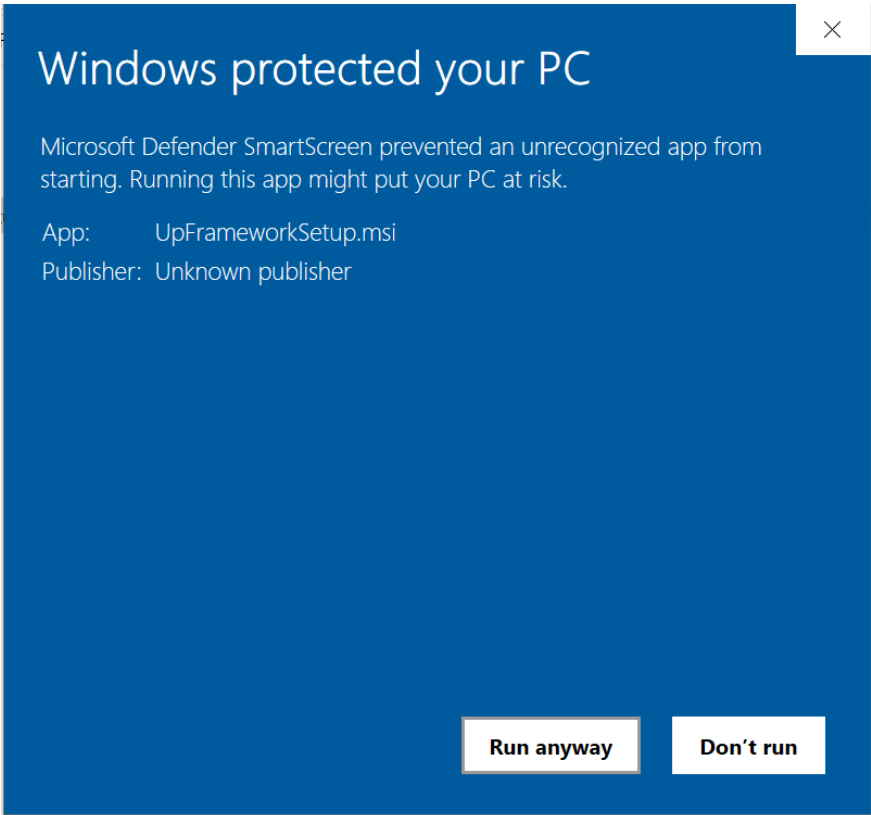
<https://www.aaeon.com/en/product/detail/up-systems-up-xtreme-ptl-edge/download>

3.2.1 UP Framework Installation

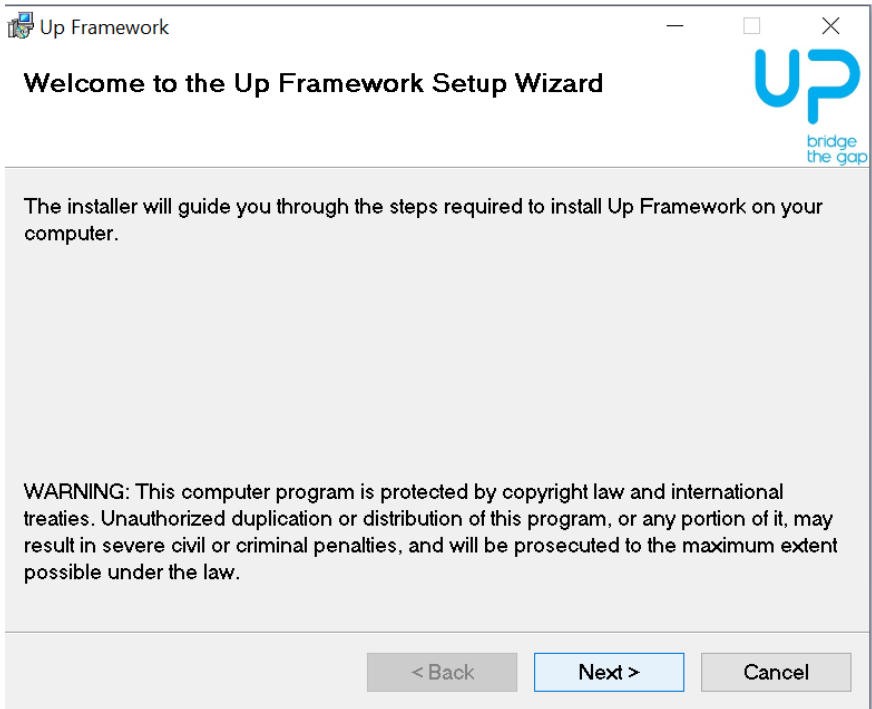
1. Download driver and double-click to install

 UpFrameworkSetup	11/4/2024 1:59 PM	Windows Installer Pa...	2,229 KB
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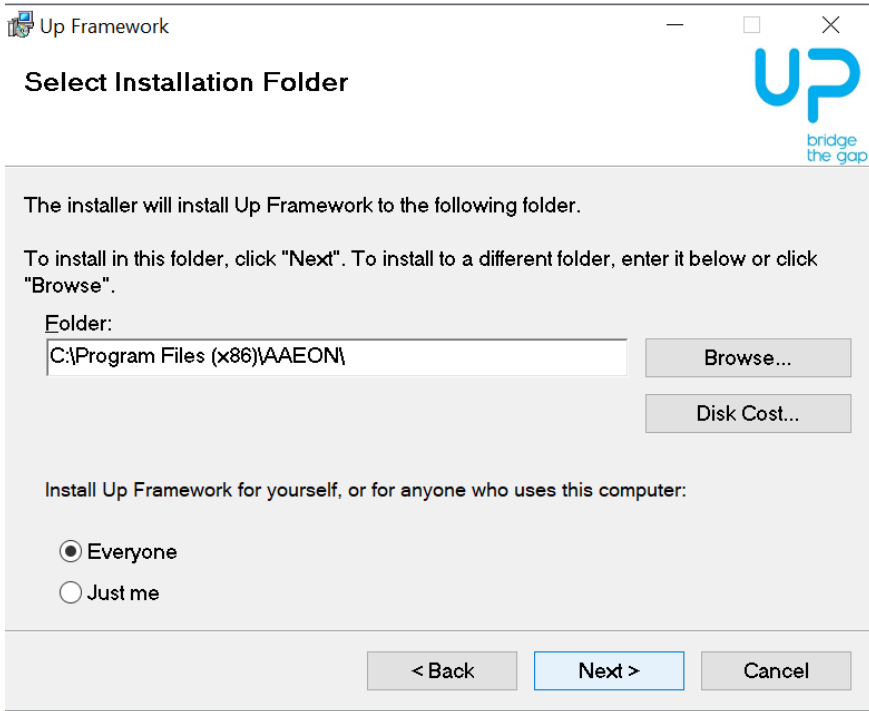
2. Click "Run anyway"



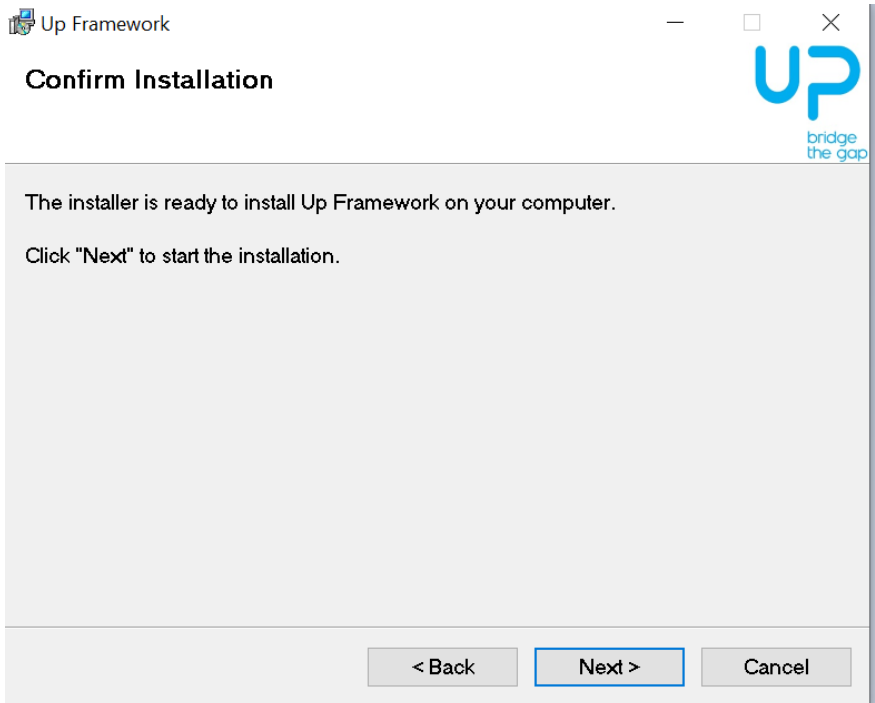
3. Locate the downloaded file UpFrameworkSetup.msi and run the installer. Press "Next" to begin the setup process



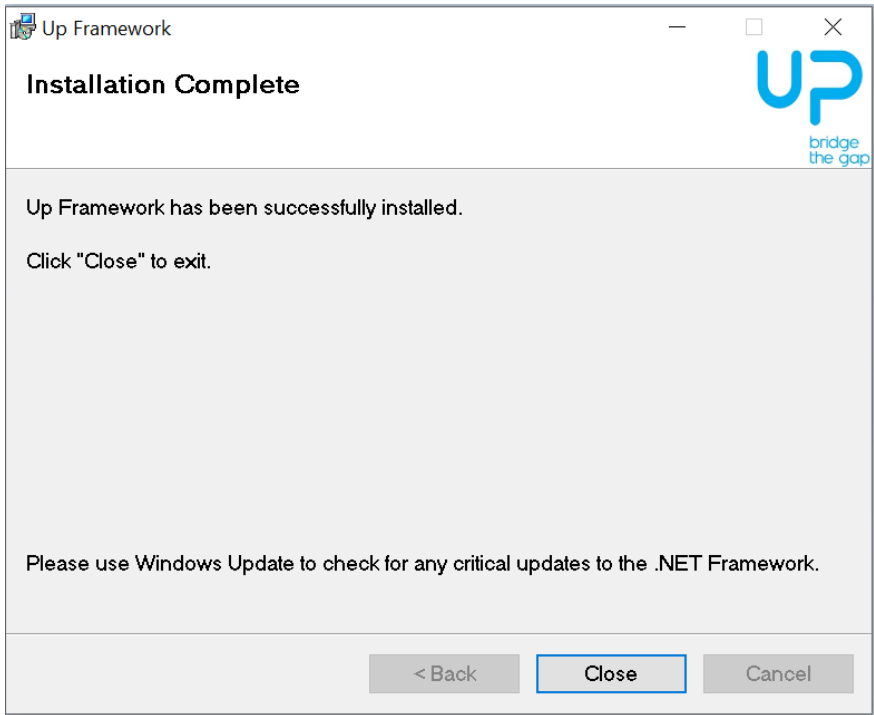
4. Select the installation folder. Default destination path is C:\Program Files(x86)\AAEON\ You may also choose to install the UP Framework SDK for all users or only the current user. Press "Next" to continue installation.



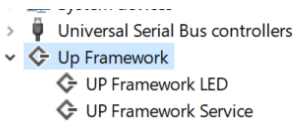
5. Press "Next" to confirm the installation.



6. Press "Close" to exit once setup is complete.



7. Once installation is complete, open device manager to find device.



Appendix A

Cables and Connectors

A.1 Cables and Connectors

This table provides detailed information about the cables and connectors used by the UP Xtreme PTL Edge. If you have any questions about the configuration of your system, please contact your AAEON sales representative.

Label	Function	Mating Connector		Cable P/N
		Vendor	Model no	
SW1	Power Button	Hixiang	TC009A-N11AAAF-SK3	NA
CN1	40-pin GPIO Header	JVE	22N8558-40R10B-01G	NA
CN2	USB 4.0 Type-C	COXOC	317JH242DTFCN4CC	NA
CN3	USB 4.0 Type-C	COXOC	317JH242DTFCN4CC	NA
CN6	USB 2.0 & UART Header	PINREX	710-74-10TWRG.NY9T	NA
CN7	12V DC Power Connector	AMP	640456-2	NA
CN9	COM Port Header	CATCH	1204-700-10SMR	1701100180
CN10	BIOS Flash Header	PINREX	710-73-07TWEG.NY9T	NA
CN11	Front Panel	CATCH	1204-700-06SMR	NA
CN12	COM Port Header	CATCH	1204-700-10SMR	1701100180
CN13	RTC	PINREX	712-P91-025WEH	175011301K
CN14	Dual USB 3.2 Gen 2 Type-A	LOTES	ABA-USB-254-K01	NA
CN15	Audio Connector	Astron	E35S16AA-8S-R	NA
CN16	HDMI Port	FOXCONN	QJA5311-LF34S-7F	NA
CN17	HDMI Port	FOXCONN	QJA5311-LF34S-7F	NA
CN18	DC Power Input Terminal Block	DINKLE	2EHDRM-04P	NA
CN19	M.2 2280 M-Key Slot	FOXCONN	2E0BC21-S85BM-7H	NA
CN20	M.2 2280 M-Key Slot	FOXCONN	2E0BC21-S85BM-7H	NA
CN21	eDP Connector	I-PEX	20455-040E-12	NA
CN22	DDR5 SODIMM Slot	FOXCONN	ASAAC21-H4SB0-7H	NA
CN23	DDR5 SODIMM Slot	FOXCONN	ASAAC21-H4SB0-7H	NA
CN24	M.2 2230 E-Key	FOXCONN	AS0BC21-S40BE-7H	NA
J1	Fan Connector	JVE	24W1251-04MS1-11T-F-C	NA
JP1	AT/ATX Mode	PINREX	220-96-03GB01	NA
CN25	Dual 2.5GbE LAN	UDE	RB2-ZZ-0072	NA