威強電工業電腦 Integration Corp.

KINO-PTL

Mini-ITX Single Board Computer

Quick Installation Guide

Version 1.00 September, 2026

Features

- Intel® Core Ultra Processor (Series 3).
- 2 x 262-pin 6400 MHz DDR5 CSO-DIMM, system up to 128GB.
- Quad independent display via HDMI™, USB4 and iDPM.
- Support triple Intel® I226Vand I226LM 2.5GbE controller.
- Support PCIe Gen5 x4, M.2 M key, M.2 B key and M.2 E key expansion.

Packing List

- 1 x KINO-PTL single board computer
- 1 x I/O shielding
- 1 x QIG (Quick Installation Guide)

Jumpers & Connectors

ME_FLASH1: FLASH DESCRIPTOR SECURITY OVERRIDE	
Status	**Description**
OPEN	No override (default)
SHORT	OVERRIDEN

J_ATX_AT1: AT/ATX power mode setting jumper	
Status	**Description**
(A – B)	ATX Power Mode
(B – C)	AT Power Mode

CHASSIS1: Open Case	
PIN NO.	**DESCRIPTION**
1	CASEOPEN_N
2	GND

JRST1: RTC REST	
PIN NO.	**DESCRIPTION**
Left floating	Normal operation (default)
Short 1-2	CLEAR ME RTC
Short 2-3	CLEAR CMOS

USB_CN3: External USB2.0 Connector			
PIN NO.	**DESCRIPTION**	**PIN NO.**	**DESCRIPTION**
1	VCC_USB3_56	5	VCC_USB3_56
2	USB2_DM5_L	6	USB2_DM6_L
3	USB2_DM5_L	7	USB2_DP6_L
4	GND	8	GND

CPU_FAN1: CPU Fan Connector	
PIN NO.	**DESCRIPTION**
1	GND
2	+12V
3	SENSE
4	CONTROL

SYS_FAN1: System Fan Connector	
PIN NO.	**DESCRIPTION**
1	GND
2	+12V
3	SENSE

4	CONTROL

F_PANEL1: **Connector**			
PIN NO.	**DESCRIPTION**	**PIN NO.**	**DESCRIPTION**
1	PWR_LED+	2	SPKR+
3	X	4	X
5	PWR_LED-	6	X
7	PWR_BTN+	8	SPKR-
9	PWR_BTN-	10	X
11	HDD_LED+	12	RESET+
13	HDD_LED-	14	RESET-

CN_AUDIO2: F_PANEL1 Connector	
PIN NO.	**DESCRIPTION**
1	LMIC2-L
2	GND
3	LMIC2-R-
4	+V3.3S_AUD
5	LLINE2-R
6	MIC2-JD
7	FRONT-IO
8	N/A
9	LLINE2-L
10	LINE2-JD

JCOM1: **RS232/422/485 Connector**			
PIN NO.	**DESCRIPTION**	**PIN NO.**	**DESCRIPTION**
1	L_NDCD#1	2	L_NDSR#1
3	L_NRX#1	4	_NRTS#1
5	L_NTX#1	6	L_NCTS#1
7	L_NDTR#1	8	L_NCTS#1
9	GND	10	X

JCOM2: **RS232/422/485 Connector**			
PIN NO.	**DESCRIPTION**	**PIN NO.**	**DESCRIPTION**
1	L_NDCD#2	2	L_NDSR#2
3	L_NRX#2	4	_NRTS#2
5	L_NTX#2	6	L_NCTS#2
7	L_NDTR#2	8	L_NCTS#2
9	GND	10	X

JCOM3/4/5/6: **RS232 Connector**			
PIN NO.	**DESCRIPTION**	**PIN NO.**	**DESCRIPTION**
1	L_NDCD#	2	L_NDSR
3	L_NRX#	4	L_NRTS#
5	L_NTX#	6	L_NCTS#
7	L_NDTR#	8	L_NRI#
9	GND	10	X

JI2C1: I2C Connector	
PIN NO.	**DESCRIPTION**
1	GND
2	I2C1_SDA_3V3_CONN
3	I2C1_SCL_3V3_CONN
4	+5V_I2C

JTPM1: **TPM Connector**			
PIN NO.	**DESCRIPTION**	**PIN NO.**	**DESCRIPTION**
1	X	2	SPI_CS0_SW_N_C
3	SPI_TPM_GPIO_R	4	X
5	GND	6	+V3P3A_TPM_PIN6
7	SPI_CLK_TPM_C	8	SPI_DQ2_TPM_C
9	SPI_DQ3_TPM_C	10	SPI_MISO_TPM_C
11	SPI_TPM_HOLD_R_N	12	SPI_MOSI_TPM_C
13	SPI_TPM_CS_R_N_C	14	GND
15	TPM_WP#	16	X
17	SPI_TPM_INT_C	18	+V3P3A_TPM
19	BUF_PLT_RST_TPM	20	+V3P3A_TPM

Get more information:

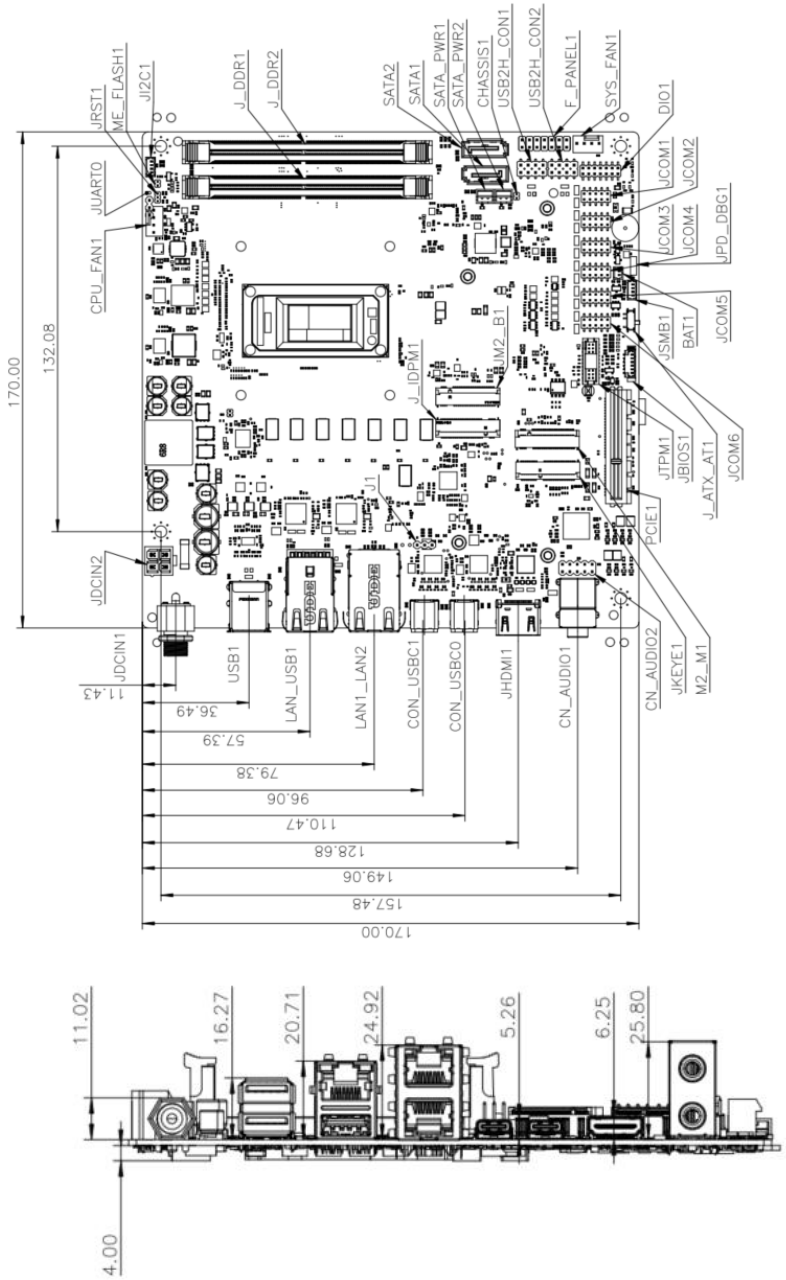


KINO-PTL



IEI Resource Download Center

Dimensions (Unit: mm)



Safety Instructions

Warning! Read the user manual before connecting the system to the power source.

Warning! To prevent the system from overheating, do not operate it in an area that exceeds the maximum operating temperature described in the user manual.

Warning! Ultimate disposal of this product should be handled according to all national laws and regulations.

Support

IEI Support URL
http://new.ieiworld.com/tw/online_support_form

Compliance

This equipment has been tested and found to comply with specifications for CE marking. If the user modifies and/or installs other devices in the equipment, the CE conformity declaration may no longer apply.

This equipment complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference, and
- 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 A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

According to the requirement of the WEEE legislation, the following user information is provided to customers for all branded IEI Electronics products subject to the WEEE directive.
This symbol on the product or on its packaging indicates that this product must not be disposed of with your other household waste. Instead, it is your responsibility to dispose of your waste equipment by handing it over to a designated collection point for the recycling of waste electrical and electronic equipment. The separate collection and recycling of your waste equipment at the time of disposal will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment. For more information about where you can drop off your waste equipment for recycling, please contact your local city office, your household waste disposal service or the shop where you purchased the product.

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