

KMDA-3301

Intel® Elkhart lake Soc CPU, 1*HDMI, 8*COM, 3*LAN, 2*USB3.1+2*USB2.0, 8*DI+6*DO, 2*CAN, 2*MiniPCle, 1*mSATA, DC12V or 9~36V(optional) wide voltage input

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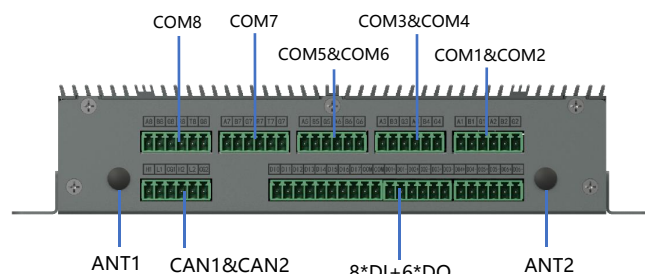
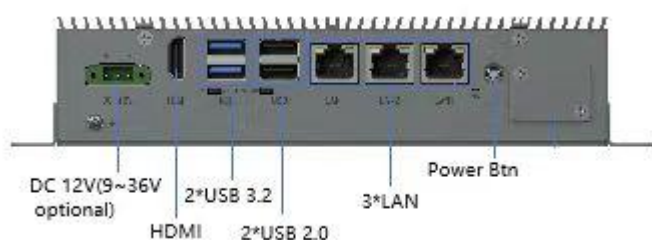
Key Features

- Intel® Elkhart lake Soc CPU
- Intel® CPU SoC MCP, Fanless cooling design
- 1*DDR4 3200MHz SODIMM, Up to 32GB
- 1*HDMI, 1*mSATA
- 2*MiniPCle(1*MiniPCle, and the other with PCIeX1 and USB2.0 signals)
- 8*COM(2*RS232/485+6*RS485)Tape isolation, 3*LAN, 2*USB3.2+2*USB2.0, 8*DI+6*DO indicates isolation,2*CAN indicates isolation
- DC 12V or 9~36V(optional) power input

Description

KMDA-3301,equipped with Intel® Elkhart lake U series processor, with a comprehensive I/O interface, built-in 2*Mini PCIe expansion module, DC12V or 9~36V (optional) wide voltage DC power supply optional, the product adopts SGCC box design, exquisite and compact size. The main application scenarios are energy storage system integration and manufacturing.

I/O View

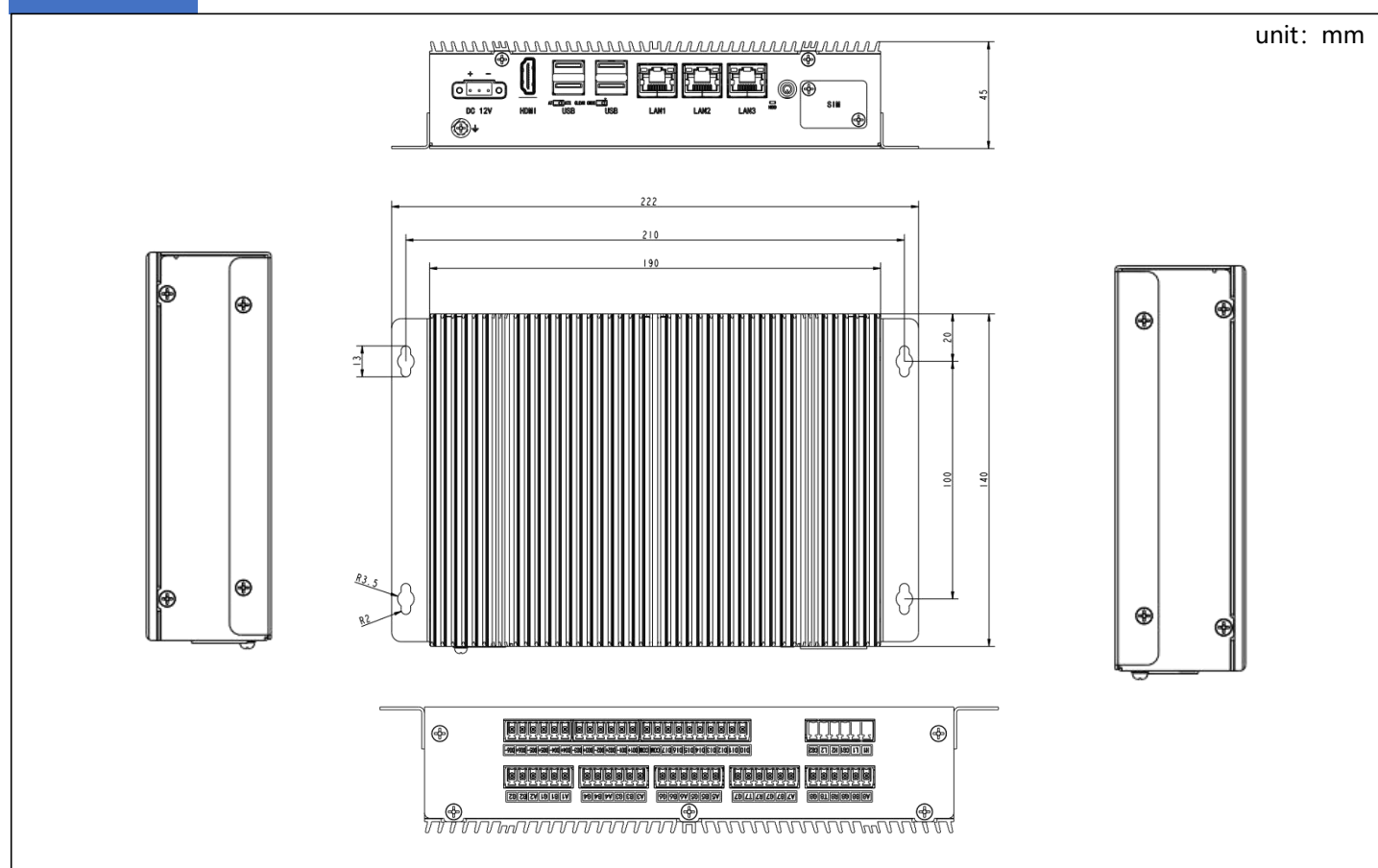


SPEC.

CPU	Intel® Elkhart lake SoC CPU: Celeron J6412 2.0-2.6GHz 4-core 4-thread
Chipset	Intel® CPU SoC MCP
Memory	1*DDR4 3200 MHz SODIMM, up to 32GB
BIOS	AMI EFI BIOS, 128Mbit SPI flash memory
Storage	1* full-length mSATA with SATA3.0 signal and up to 6Gbps transmission speed
Display	1*HDMI display Intel UHD Graphics or iRIS® Xe Graphics, Supports the Intel DL boost deep learning to strengthen technology, DirectX12.1, OpenGL 4.6 and OpenCL 3.0, HDMI Max resolution 4096*2304@60Hz
Expansion	2* full-length Mini-PCle, with PCIeX1 and USB2.0 signals, the function module can expand the PCIe signal; MlniPCie2 interface function is reserved
Real I/O	1*HDMI; 2*USB3.1+2*USB2.0 Type A; 3*RJ45; 1*3pin DC-IN terminal socket;
Front I/O	8*COM: 2*RS232/485+6*RS485; 8*DI input signal form is wet node input, 24V/0V high and low level, optocoupler isolation; 6*DO output signal form is relay normally open output, passive output; 2*CAN ports, Phoenix terminal form, line sequence H, L, GND, meet the CAN2.0B standard, baud rate is 1M, support signal isolation, meet the electrostatic level 3, surge level 3, pulse group level 3 protection requirements
LAN	3*LAN with independent isolation transmitter, RTL811H-VB network chip, support 10/100/1000Mbps
Control SW/LED	Power Btn, 1*HDD LED, 1*CMOS, 1*AT/ATX, 2-pin terminal remote switch
Power Supply	DC-IN: 12V or 9 to 36V wide voltage input, overvoltage and overcurrent reverse protection Power consumption: 18.35W (CPU Celeron J6412@2.00GHz, 8G DDR4, 128G mSATA)
OS	Windows 10、Linux system

Construction	Aluminum rectangular profile cooling housing, SGCC box
Operating Temperature	-20 ~ 60°C
Storage Temperature	-40°C~85°C
Storage Humidity	10~95%@40 , non-condensing
Shock	5grms/5~500Hz/ Random/Working state (mSATA)
Vibration	50g peak acceleration (11ms duration)
Mounting	Horizontal desktop installation
Dimension	(W*H*D): 222*140*45mm(Tape mounting); 190*140*45mm(No mounting kit)
Net Weight	1.32Kg
EMC	CE/FCC Class A

Dimension



Ordering Info

Model NO	DC-IN	Description
KMDA-3301/ S001	12V	Built-in box computer, 8*COM, 2*USB3.1+2*USB2.0, 3*LAN, 1*HDMI, 1*mSATA, 2*Mini PCIe with PCIeX1 and USB2.0 signals (1*MiniPCIe, Another 1*MiniPCIe expansion port is reserved), 8*DI+6*DO, 2*CAN
KMDA-3301/ S001-WP	9~36V(OFX-75)	
PA-60DC12	AC/DC power adapter, DC12V@5A ,60W	