

KMDA-2631

Intel® Elkhart lake Soc CPU, 1*HDMI, 2*COM, 3*LAN, 2*USB3.1+
2*USB2.0, 4*DI+4*DO, 2*MiniPCle, 1*mSATA, 1*SATA3.0,
DC12V or 9~36V(optional) wide voltage input

JHCTECH

物联万物

Embedded Box PC--KMDA Series



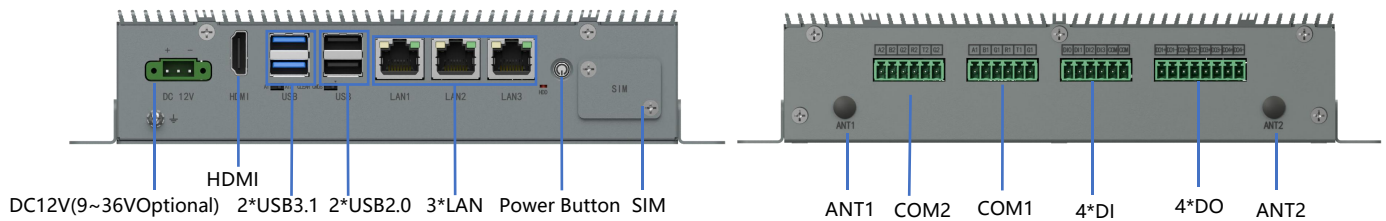
Key Features

- Intel® Elkhart lake Soc CPU
- 1*DDR4 3200MHz SODIMM, Up to 32GB
- 1*mSATA, 1*SATA3.0
- 3*LAN, 2*USB3.1, 2*USB2.0, 2*(RS232/485), 4*DI+4*DO indicates isolation, 1*HDMI
- 2*MiniPCle(supports 4G, with SIM card slot, with PCIeX1 and USB2.0 signal)
- DC 12V or 9 ~36V(optional) power input
- Fanless cooling design

Description

KMDA-2631,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 scenario is the controller for collaborative robots.

I/O View

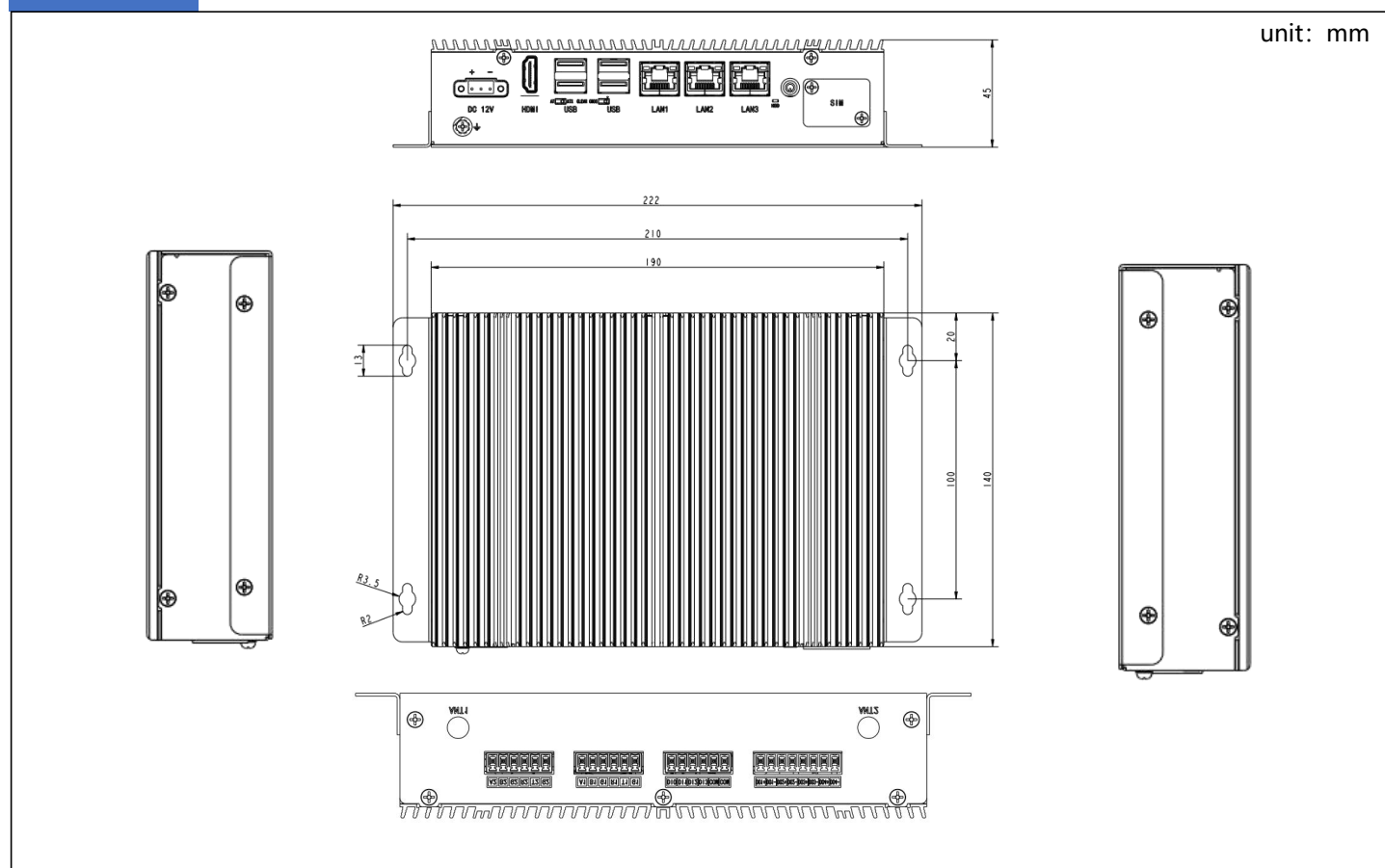


SPEC.

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*mSATA, 1*SATA3.0, 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* Mini-PCle, with PCIeX1 and USB2.0 signals, the function module can expand the PCIe signal;MiniPCle1 with SIM card slot, support 4G module; MIniPCie2 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; 1*SIM card slot(With SIM cover)
Front I/O	2*COM: 2*RS232/485; 4*DI input signal form is wet node input, 24V/0V high and low level, optocoupler isolation; 4*DO output signal form is relay normally open output, passive output; Relay contact capacity: 30VDC/5A, 250VAC/5A (DIO are 1*6P phoenix terminal);
LAN	3*LAN with independent isolation transmitter, 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: 14.4W (CPU Celeron J6412@2.00GHz, 4G DDR4, 128G mSATA)
OS	Windows 10、Linux system

Construction	Aluminum extruded profiles 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-2631/ S001	12V	Built-in box computer, 2*COM, 2*USB3.1+2*USB2.0, 3*LAN, 1*HDMI, 1*mSATA, 1*SATA3.0, 2*Mini PCIe with PCIeX1 and USB2.0 signals (1*MiniPCIe supports 4G, with SIM card slot, Another 1*MiniPCIe expansion port is reserved), 4*DI+4*DO
KMDA-2631/ S001-WP	9~36V(OFX-75)	
PA-60DC12	AC/DC power adapter, DC12V@5A ,60W	