

## Fanless Box Computer KMDA Series

# KMDA-3202

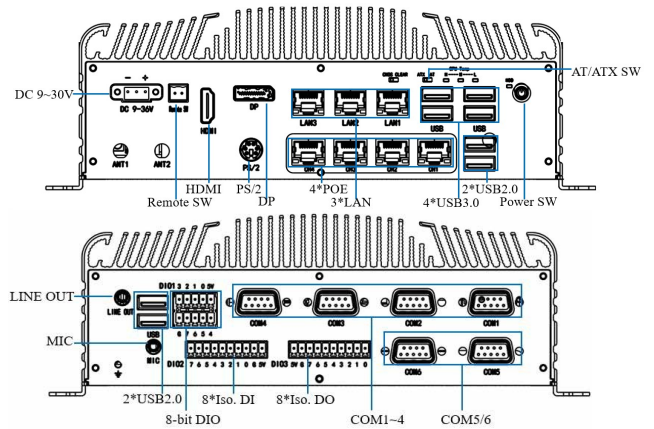
Intel®Skylake-U/Kabylake-U CPU, 3\*LAN, 4\*POE, 6\*COM, 9\*USB, 16-bit Iso.DIO, dual 4K display, TPM2.0,iVpro technology, DC-IN 9~36V, CPU Temp.show in LED

### Key Features

- Aluminum chassis, fanless design
- Intel® Skylake-U/Kabylake-U CPU
- 2\*DDR4 2133MHz SODIMM, Up to 32GB
- 1\*DP, 1\*HDMI, Dual 4K display
- 3\*Gig LAN, 4\*POE, 4\*USB3.0, 5\*USB2.0(one inside)
- 6\*COM, 1\*PS/2, 16bit Iso. DIO, 8bit DIO, Audio out/Mic
- 1\*F-Mini PCIe(PCIe+ USB),1\*M.2 2242 B-Key
- 1\*F-mSATA, 1\*2.5" SATA HDD/SSD driver bay
- Support Intel® iVpro and TPM2.0
- DC 9~30V Wide Power Input
- Aluminum chassis designed for HDD cooling



KMDA-3202 is a new industrial design Box Computer of JHCTECH with aluminum chassis and fanless design. It powered by Intel®Skylake-U/Kabylake-U CPU and DDR4 2133MHz dual channel memory up to 32GB. It features gen.9th Intel HD Graphics, DP and HDMI dual 4K display, 3\*Intel LAN, 4\*POE, 6\*COM,4\*USB3.0, 8bit DIO+ 16bit Iso. DIO, 1\*Mini PCIe and 1\*M.2 which support 4G and Wifi/BT. 1\*2.5" SATA HDD/SSD, 1\*mSATA, Dual storage. Support TPM2.0 and iVpro technology. With DC 9-30V wide power input, Aluminum chassis designed for HDD cooling. widely used for AI, Intelligent Transportation(ITS), and Machine Vision.



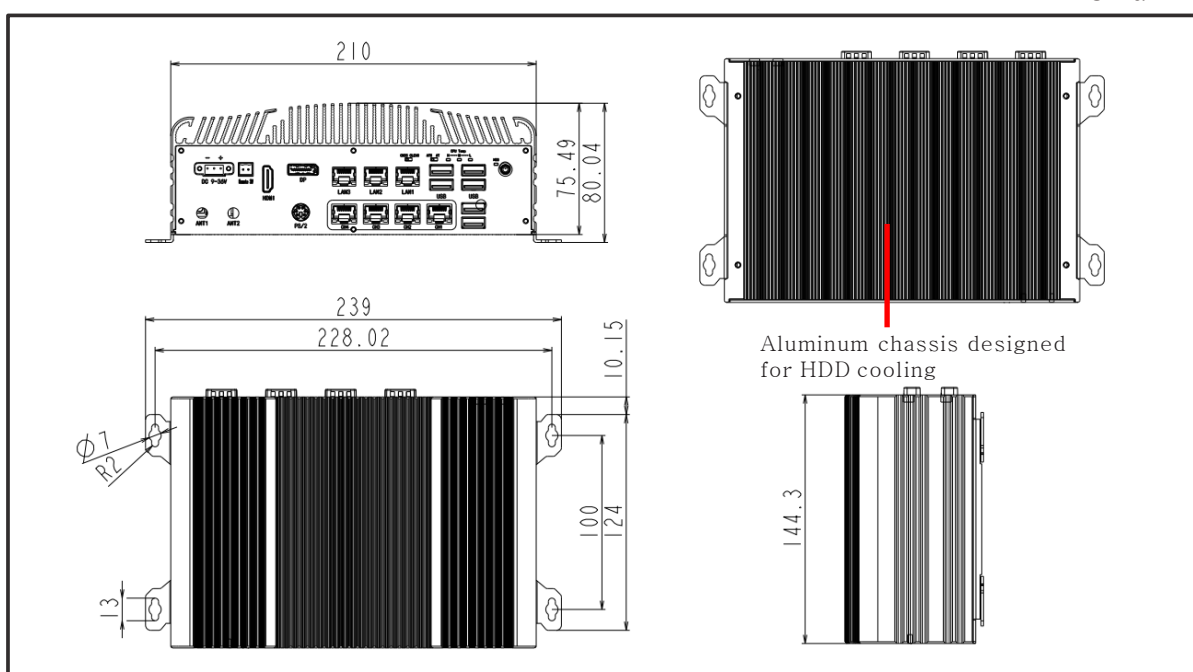
### SPEC

System	CPU	Gen. 6th Intel® Skylake-U Celeron 3855U; Core I3-6100U; I5-6200U; I7-6500U CPU Gen. 7th Intel® Kabylake-U Celeron 3865U; Core I3-7100U; I5-7200U; I7-7500U CPU
	System Memory	2*260-Pin SODIMM, dual channel DDR4 2133Mhz, up to 32GB
	E^ansion	1*Full size Mini PCIe(PCIeX1+ USB)with SIM slot,1*M.2 2242 B-key(PCIeX1+ USB)with SIM slot, support 2*4G LTE and Wifi/BT
	Graphics	Gen. 9th Intel® HD Graphics, HEVC/H.265 HW HD en/decoder, DP max. res. 4096*2160@60Hz, HDMI max. res. 3940*2160@30Hz, Dual indended display
	Audio	Realtek ALC662VD controller, support 5.1 channel
	LAN	2*Intel I211AT(opt. I210AT) PCIe Gig. Ethernet; 1*Intel I219LM PCIe Gig. Ethernet support iVpro, 4*Intel I211AT(opt. I210AT) Ethernet with POE function, TDP 15.4W/port
	Keyboard/mouse Storage	USB&PS/2 keyboard and mouse 1*2.5" SATA HDD/SSD bay, cooling by aluminum chassis, SATA3 6.0Gbps; 1*mSATA, support AHCI
	DIO	8-bit TTL singal, programmable input and output; 8-bit Iso. DI(High:5-24V,Low:0-1.5V) and 8-bit Iso. DO(100mA)
	I/O ports	3*RJ45 w/LED Gig-LAN (Front), 4*RJ45 w/LED POE Gig-LAN (Front) 4*USB3.0 Type A (Front), 2*USB2.0 Type A (Rear), 2*USB2.0 Type A (Front), 1*USB2.0 Type A (Inside) 8bit DIO:2*5-pin ter. (Rear), 8bit DI: 1*10-pin ter. (Rear), 8bit DO: 1*10 pin ter. (Rear) 2*RS232/422/485 DB9 male (Rear), 4*RS232 DB9 male (Rear), 1*6pin PS/2 (Front) 1*Audio-out 3.5mm phone jack (Rear), 1*Mic 3.5mm phone jack (Rear) 1*HDMI (Front) + 1*DP (Front)
	LED	1*Power LED, 1*HDD LED, 3*CPU term. LED (Red is warning, Yellow is high, Green is normal)
Control SW	1*Power button (Front); 1*2pin ter. power-on signal (Rear), 1*AT/ATX Select dip (Front)	
Power Supply	DC 9~30V Input, 3-pin ter. (Front), short circuit, overvoltage and overcurrent, TDP: 12V/2.31A	
Watchdog Timer	Watchdog timeout programmable via software 1 to 255 second	
OS Support	Windows 7, Windows 10, Linux Fedora Ubuntu	

Mechanical	Structure	aluminum chassis, SGCC frame
	Color	Silver
	Mounting	Desktop Mounting
	Dimension	side (W*H*D) : 210*144.3*75.5mm
	Net weight	2.2kg
Environmental	Operating temperature	-20°C~70°C – Fanless with wide operating temp.SSD, airflow -10°C~50°C – Fanless with HDD, airflow
	Storage Temperature	-40°C~85°C
	Storage Humidity	10~90%@40°C, Non-condensing
	Vibration	5 grms/5~500Hz/ random/in working(SSD); 1 grms/5~500Hz/random/in working(HDD)
	Shock	50g peak acceleration(11ms duration)(SSD); 20g peak acceleration(11ms duration)(HDD)
	Certification/EMC	CE/FCC Class A

## Dimension

Unit:mm



## Ordering Info.

Model No.	Introduction
KMDA-3202/S001	Fanless Box Computer, Intel I3-6100U/I3-7100U CPU, 3*LAN, 4*POE, 4*USB3.0, 5*USB2.0, 6*COM, 16bit Iso.DIO, 8bit DIO, 1*Mini PCIe, 1*M.2, 1*PS/2, 1*HDMI, 1*DP, Audio out and Mic, 1*2.5" driver bay, 1*mSATA, DC 9~30V
KMDA-3202/S002	Fanless Box Computer, Intel I5-6200U/I5-7200U CPU, 3*LAN, 4*POE, 4*USB3.0, 5*USB2.0, 6*COM, 16bit Iso.DIO, 8bit DIO, 1*Mini PCIe, 1*M.2, 1*PS/2, 1*HDMI, 1*DP, Audio out and Mic, 1*2.5" driver bay, 1*mSATA, DC 9~30V
KMDA-3202/S003	Fanless Box Computer, Intel I7-6500U/I7-7500U CPU, 3*LAN, 4*POE, 4*USB3.0, 5*USB2.0, 6*COM, 16bit Iso.DIO, 8bit DIO, 1*Mini PCIe, 1*M.2, 1*PS/2, 1*HDMI, 1*DP, Audio out and Mic, 1*2.5" driver bay, 1*mSATA, DC 9~30V
KMDA-3202/S004	Fanless Box Computer, Intel 3855U/3865U CPU, 3*LAN, 4*POE, 4*USB3.0, 5*USB2.0, 6*COM, 16bit Iso.DIO, 8bit DIO, 1*Mini PCIe, 1*M.2, 1*PS/2, 1*HDMI, 1*DP, Audio out and Mic, 1*2.5" driver bay, 1*mSATA, DC 9~30V
KMDA-3202/T001~4	Fanless Box Computer, Intel Skylake-U/Kabylake-U CPU, 7*LAN, 4*USB3.0, 5*USB2.0, 6*COM, 8bit DIO, 1*Mini PCIe, 1*M.2, 1*PS/2, 1*HDMI, 1*DP, Audio out and Mic, 1*2.5" driver bay, 1*mSATA, DC 9~30V
PA-60DC12	AC/DC power adapter, DC 12V/5A 60W--for KMDA-3202-T00X
PA-120DC19	AC/DC power adapter, DC 19V/6.32A 120W--for KMDA-3202-S00X

\*All specifications and photos are subject to change without notice.

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