

**Fanless Box Computer KMDA Series**

# KMDA-3820

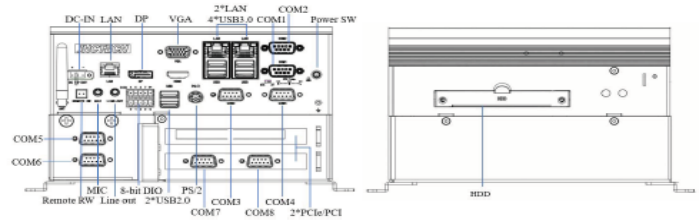
**Intel® Skylake-U/Kabylake-U CPU, 2/3\*LAN, 4\*COM, 7\*USB, 8-bit DIO, dual 4K display, 2\*PCIe or 2\*PCI, TPM2.0, iVpro technology, DC-IN 12~24V.**



## Key Features

- Aluminum chassis, fanless design
- Intel® Skylake-U Celeron/Core I3/I5/I7 CPU
- 1\*DDR4 2133MHz SODIMM, Up to 16GB
- 1\*DP, 1\*HDMI, Dual 4K display, 1\*VGA
- 2/3\*Gig LAN, 4\*USB3.0, 3\*USB2.0(one inside)
- 4\*COM, 8-bit DIO, 1\*Audio out, 1\*MIC
- 2\*PCIe/PCI, 1\*F-Mini PCIe
- 1\*F-mSATA, 1\*2.5" SATA HDD/SSD driver bay
- Support iVpro and TPM2.0
- DC 12~24V Wide Power Input
- Have-open L-shaped cover, easy to expand

KMDA-3820 is a new industrial design Box Computer of JHCTECH with aluminum chassis and fanless design. It powered by the Intel® Skylake-U/Kabylake-U CPU and DDR4 2133MHz memory, up to 16GB. It features gen.9th Intel HD Graphics, DP and HDMI dual 4K display, 2/3\*Intel LAN, Integrated 10/100/1000M. 4\*COM, 4\*USB3.0, 8-bit DIO, 1\*Mini PCIe which support 4G and Wifi/BT. 1\*2.5" SATA HDD/SSD, 1\*mSATA, Dual storage. 2\*PCIe or PCI slots, Support TPM2.0 and iVpro technology. With DC 12~24V wide power input. Have-open L-shaped cover, easy to disassemble and install function card or HDD/SSD, widely used for AI, Intelligent Transportation(ITS), and Machine Vision.



## SPEC.

System	CPU	Gen. 6th Intel® Skylake-U: Celeron 3855U Core-U: I3-6100U; I5-6200U; I7-6500U Gen. 7th Intel® Kabylake-U: Celeron 3865U Core-U: I3-7100U; I5-7200U; I7-7500U
	System Memory	1*260-Pin SODIMM, dual channel DDR4 2133Mhz, up to 16GB
	Expansion	1*Full size Mini PCIe(PCleX1+ USB)with SIM slot, support 4G LTE and Wifi/BT 1*Full size mSATA(SATA+ USB2.0) 1*PCIeX4 slot with PCleX1 signal 1*PCIeX4 slot with PCleX4 signal, Optional 2*32-bit PCI slots
	Graphics	Gen. 9th Intel® HD Graphics, HEVC/H265 HW HD en/decoder, DP max. res. 4096*2304@60Hz, HDMI max. res. 4096*2304@24Hz, Dual 4K display
	Audio	Realtek ALC662VD controller, support 5.1 channel
	LAN	2*Intel I211AT PCIe Gig. Ethernet, Integrated 10/100/1000M; 1*Intel I219LM PCIe Gig. Ethernet, support iVpro technology
	Keyboard/mouse	PS/2&USB keyboard and mouse
	Storage	1*2.5" SATA HDD/SSD bay, SATA3 6.0Gbps; 1*mSATA, support AHCI
	DIO	8-bit TTL signal, programmable input and output
	I/O ports	3*RJ45 w/LED Gig-LAN 4*USB3.0 Type A ; 2*USB2.0 Type A ,1*USB2.0 Type A(inside) 8-bit DIO:2*5-pin ter., Optional 16-bit DIO 2*RS232/422/485 DB9 male, 2*RS232 DB9 male, 1*PS/2 1*Audio-out, 1*MIC, 3.5mm phone jack 1*HDMI+ 1*DP+ 1*VGA
	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; 1*2pin ter. power-on signal, 1*AT/ATX Select dip
	Power Supply	DC 12~24V Input, 3-pin ter., TDP: TBD
Watchdog Timer	Watchdog timeout programmable via software 1 to 255 second	
OS Support	Windows 7, Windows 10, Linux Fedora Ubuntu	