

KMDA-3601

Fanless Embedded Box Computer, Intel Skylake-S /Kabylake-S Core i3/i5/i7 CPU,3*LAN,4*POE,6*USB 3.0,dual 4K display, IVpro technology, DC-IN 6~48 V









Feature :

1. Large aluminum Chassis, Fanless Design
2. Intel Skylake-S/Skylake-S Core I3/I5/I7 CPU
3. 2*DDR4 1866/ 2133 MHz SODIMM,UP to 32GB
4. 1*DP(4K),1*HDMI(4K) and1*VGA
5. 3*Gig LAN,4*POE,6*USB3.0,3*USB2.0
6. 4*COM,16bit DIO, Audio out and Mic
7. 1*Mini PCIe(PCle+USB), 1*M.2 2242 B-Key
8. 1*Msata,2*2.5" SATA, support Raid0,1
9. Support Intel iVpro and TPM2.0
10. DC 6~48V Wide Power Input

Overview:

KMDA-3601 is a high performance Box Computer with aluminum chassis and fanless design. It powered by the latest Intel Skylake-S/Kabylake-S CPU and DDR4 2133MHz dual channel memory up to 32GB.It features gen.9th Intel HD Graphics,DP1.2 and HDMI1.4 b dual4K

display,3*Intel LAN,4*POE,6*USB3.0,1*Mini PCIe and 1*M.2 which support 4G and Wifi/BT.
 The 2*2.5" SATA HDD/SSD support Raid0/1. With DC 6~48V wide power input, high performance and multi IO, it is application for Intelligent Transportation(ITS), Video Security and Machine Vision.

Specification:

System	CPU	6 th Gen. Intel Skylake-S/gen.7 th Intel Kabylake-S Celeron/Pentium/Core i3/i5/i7 CPU, LGA 1151 socket, T(TE)family TDP 35W.
	System Memory	2*260-Pin SODIMM, dual channel DDR4 1866/2133MHz, up to 32GB
	Expansion	1*Full size Mini PCIe with PCIeX1+USB signal and SIM slot, 1*M.2 2242 B-key with PCIeX1+SATA3+USB signal and SIM slot, 1*Full size mSATA(SATA 3+USB), support 4G LTE and Wifi/BT wireless module
	GPU & Graphics	Gen.9 th Intel HD Graphics, HEVC/H265 HW HD en/decoder, DP1.2 max.res.4096*2304@60Hz, HDMI1.4b max.res.3840*2160@30Hz,VGA max .res.2650*1600@60Hz,3 independent display
	LAN	2*Intel I210AT PCIe Gigabit Ethernet, 10/100/1000Mbps; 1*Intel I219LM PCIe Gig. Ethernet; 4*Intel I210AT PCIe Gigabit Ethernet with POE function, TDP 15.4W/port
	Audio	Realtek ACL662VD controller, Audio out and MIC
	Storage	2*2.5" SATA HDD/SSD Bay, cooling by aluminum chassis; 1*mSATA; 1*M.2 2242 B-key
	Control SW	1*Power button, 1*Reset button(Front); 1*2-pinter.power-on signal(Rear), 1*AT/ATX Select dip(Front)
	DIO	16bit TTL signal, programmable input and output
	LED	1*Power LED, 1*HDD LED, 3*CPU term. LED (Red is warning ,Yellow is high, Green is normal)
	I-Port	Optional 1*LPT, 2*USB2.0 or Mini PCIe and M.2/I/O ports(such as serial ports)
	I/O port	3*RJ45 Gig-LAN, 4*RJ45 Gig-POE(Front)
		6*USB3.0 Type A(Front); 2*USB2.0 Type A(Rear), 1*USB2.0 Type A(Inside)
		16 bit DIO 2*10-pin terminal (Front)
2*RS232/422/485 DB9(Rear), 2*RS232 DB9(Rear)		
1*Audio-out and 1*MIC , 3.5mm phone jack(Rear)/1*HDMI+1*DP+1*VGA(Front)		
Power Supply	DC 6~48V Input, 5-pinter. connector(Front), with 19V/6.32A power adapter, Consumption: TBD	
Watchdog Timer	timeout programmable via software 1 to 255 second	

	OS Support	Windows 7,Windows 10,Linux Fedora Ubuntu
Mechanical & Environmental	Dimension	(W*H*D):284*222*84.7mm
	Color	Silver
	Operating temperature	-20C~65C-Fanless, 35W CPU with wide operating temp.SSD, airflow -10C~55C-Fanless,35W CPU with HDD, airflow
	Storage Temperature	-40C~85C
	Storage Humidity	10~90%@40C,non-condensing
	Vibration	5grms/5~500Hz/Random/in working status(SSD) 1grms/5~500Hz/Random/in working status HDD
	Shock	50gpeak acceleration(11ms duration)(SSD) ;20g peak acceleration (11ms duration) (HDD)
	EMC	CE/FCC Class A
	Net Weight	TBD
	Structure	Large U form Aluminum Chassis, SGCC frame
	Mounting	Desktop mounting

Ordering Info

Model NO.	Introductions
KMDA-3601/S001	Fanless Embedded Box Computer, Intel Skylake-S/Kabylake-S LGA1151CPU,3*LAN,4*POE,6*USB3.0,3*USB2.0,4*COM,16 bit DIO,1*M.2,1*Mini PCIe,1*HDMI,1*DP,1*VGA, Audio,1*I-port ,2*2.5" SATA bay,1*mSATA, DC 6~48 V
KMDA-3601/S002	Fanless Embedded Box Computer, Intel Skylake-S/Kabylake-S LGA1151CPU,7*LAN,6*USB3.0,3*USB2.0,4*COM,16 bit DIO,1*M.2,1*Mini PCIe,1*HDMI,1*DP,1*VGA, Audio,1*I-port ,2*2.5" SATA bay,1*mSATA, DC 6~48 V
KMDA-3601/T001	Fanless Embedded Box Computer, Intel Skylake-S/Kabylake-S

	LGA1151CPU,3*LAN,4*USB3.0,1*USB2.0,4*COM,1*M.2,1*Mini PCIe,1*HDMI,1*DP,1*VGA, Audio,1*I-port ,2*2.5" SATA bay,1*mSATA, DC 6~48 V
PA-120DC19	AC/DC power adapter, DC 19V/6.32A 120 W



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