

# KMDA-3211

Fanless Embedded Box Computer, Intel Skylake-U Celeron or Core I3/I5/I7 ULT Soc  
CPU,4\*USB3.0,2\*LAN,6\*COM









Feature :

1. Aluminum Chassis, Fanless Design
2. Intel Skylake-U Celeron/Core I3/I5/I7 CPU
3. 1\*SODIMM DDR4 2133 MHz, Up to 16 GB
4. 1\*HDMI and 1\*VGA, dual display, HDMI 4K ultra HD
5. 2\*Gig LAN,4\*USB3.0,3\*USB2.0(one inside)
6. 6\*COM, COM6 opt.8bit DIO, Audio out and Mic
7. 1\*Mini PCIe(Pcie+USB), full size support 4G LTE/Wifi/BT
8. 1\*2.5"SATA Bay,1\*full size mSATA
9. DC 9~19 V Wide Power Input

Overview:

KDMA-3211 is an intelligent, fanless embedded PC powered by genn.6<sup>th</sup> Intel Skylake-U ULT Soc TDP 15W CPU, DDR4 SODIMM memory up to 16GB. There are multiple I/O interface, and 1\*Mini PCIe, 1\*mSATA and 1\*2,5"SATA bay. DC 9~19 V wide power input, rotatable stands desktop mounting. It will be fit for application of machine ,AGA and AI.

System	CPU	6 <sup>th</sup> Gen. Intel Skylake-U ULT Soc TDP 15W:Celeron 3855U 1.6GHz,2cores2thds;i3-6100U 2.3GHz,2cores4thds;i5-6200U 2.3-2.8GHz,2cores4thds;i7-6500U 2.5-3.1GHz,2cores4thds
	System Memory	1*260-pin SODIMM DDR4 2133MHz,up to 16GB
	Expansion	1*Full size Mini PCIe with PClex1+USB signal with SIM slot, support 4G LTE/Wifi/BT4.0 etc
	Graphics	Gen.9 <sup>th</sup> Intel HD Graphics, HDMI <a href="#">max.res.3840*2160@30Hz</a> , VGA <a href="#">max.res.2560*1600@60</a> Hz Support Open GL 5.0,Direct X 12,Open CL 2.1,HEVC/H265 HW Decode and HD Encode
	LAN	2*Intel I211AT PCIE Gigabit Ethernet,10/100/1000Mbps, support Wake on LAN
	Audio	Realtek ACL269 5.1 channel Audio Controller
	Storage	1*2.5"SATA Bay, SATA 6.0Gp/s; 1*Full size mSATA, Integrated AHCI controller
	Control SW	1*Power button(Front)
	KB&MS	USB Keyboard &mouse
	LED	1*PowerLED,1*HDDLED(Front)
	I-Port	Support Ps2/USB 2.0 and expand Mini PCIe I/O ports as LPT and COMs
	I/O port	2*RJ45 LAN(rear)
		1*HDMI(Rear),1*VGA DB15 female(Rear) opt.to be 8bit LVDS,11*Audio out/Mic 3.5mm phone jack
		4*USB 3.0 Type A(Rear);2*USB 2.0 Type A(Front),1*USB 2.0 Type A inside. Optional 8 bit DIO Via the Db9 Connector on COM6(Rear)
		2*RS232(3-wire)/485DB9 male(Front);3*RS232(9-wire)DB9 male (Front),
1*TTL/RS232(3-wire) DB9 male (Front)		
Power Supply	DC 9~19V Input, M6 screw DC-Jack con, Power con: 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:210*144.3*74mm
	Color	Silver
	Operating temperature	-20C~70C-wide operating temperature SSD, Airflow; -10C~50C-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	2.2Kg
Structure	Aluminum Chassis, SGCC frame
Mounting	Desktop mounting,4*rotatable stands left-right side or front -rear side

#### Ordering Info

Model NO.	Introductions
KMDA-3211/S001	Fanless Embedded Box Computer, Intel Core I3-6100 CPU, 2*LAN,4*USB3.0,3*USB2.0,6*COM,1*HDMI,1*VGA, Optional 8 bit DIO, Audio,1*I -port,1*Mini PCIe, 1*2.5 SATA Bay,1*mSATA, DC 9~19V
PA-60DC12	AC/DC power adapter, DC 12V/5A 60 W
KMDA-3211/S002	Fanless Embedded Box Computer, Intel Core I5-6200 CPU,2*LAN,4*USB 3.0,3*USB 2.0,1*HDMI,1*VGA,6*COM,Opt.8bit DIO,Audio,1*I -port,1*Mini PCIe,1*2.5" SATA Bay, 1*mSATA, DC 9~19V
KMDA-3211/S003	Fanless Embedded Box Computer, Intel Core I7-6500 CPU,2*LAN,4*USB 3.0,3*USB 2.0,1*HDMI,1*VGA,6*COM,Opt.8bit DIO,Audio,1*I -port,1*Mini PCIe,1*2.5" SATA Bay, 1*mSATA, DC 9~19V
KMDA-3211/S004	Fanless Embedded Box Computer, Intel 3855U CPU,2*LAN,4*USB 3.0,3*USB 2.0,1*HDMI,1*VGA,6*COM,Opt.8bit DIO,Audio,1*I -port,1*Mini PCIe,1*2.5" SATA Bay, 1*mSATA, DC 9~19V

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