

KMDA-3601

Fanless Industrial Computer

with Intel® Skylake-S/Kaby Lake-S i3/i5/i7 Processor and up to 11x LAN



- Intel® Skylake-S / Kaby Lake-S i3/i5/i7 CPU
- 2x DDR4 2133/2400 MHz SODIMM, up to 32GB
- 3x LAN, 4x PoE, Optional 7x or 11x LAN
- 1x DP (4K), 1x HDMI (4K), 1x VGA
- 6x USB3.0, 3x USB2.0, 4x COM, 16bit Isolated DIO
- 2x miniPCIe (PCIe & USB), 1x M.2 2242 Key B
- 1x mSATA, 2x 2.5" SATA with Raid 0,1 support
- Intel® vPro and TPM2.0
- 9~48V DC Wide Power Input

	Items	Descriptions
System	CPU	6th Gen. Intel® Skylake-S / 7th Gen. Intel® Kaby Lake-S Celeron®/Pentium®/Core™ i3/i5/i7 CPU, LGA 1151 socket, suffix T(TE), TDP 35W
	Chipset	Intel® Q170, optional Intel® H110
	System Memory	2x 260-Pin SODIMM, dual channel DDR4 2133/2400 MHz, up to 32GB
	Expansion	1x full size miniPCIe (PCIe & USB) with SIM slot, 1x M.2 2242 B-Key (PCIe X1 & SATA3 & USB) with SIM slot, 1x half size miniPCIe (PCIe & USB), 1x full size mSATA (SATA3 & USB), support 2x 4G LTE and WiFi/BT
	Graphics	Gen. 9th Intel® HD Graphics, HEVC/H265 HW HD en/decoder DP 1.2 max 4096x2304@60Hz, HDMI 1.4B max 3840x2160@30Hz, VGA max 2650x1600@60Hz, 3x independent display
	Audio	Realtek ALC662 VD controller, Audio out and Mic
	LAN	2x Intel® I210AT PCIe Gb Ethernet, 1x Intel® I219LM PCIe Gb Ethernet ,support iVpro, 4x Intel® I210AT Ethernet with PoE function, TDP 15.4W/port, opt. 8x Intel® I210AT Ethernet
	Storage	2x 2.5" HDD / SSD bay, cooling by chassis, 1x mSATA, 1x M.2 2242 B-Key
	Digital IO	16 bit 2.5KV optical iso. DIO, 8bit input (High: 5-24V; Low: 0-1,5V) & 8 bit output(100mA)
	I-Port	Optional 1xLPT, 16bit DIO, 1x USB2.0 or miniPCIe and M.2 I/O ports (such as serial ports)
	I/O Ports	3x RJ45 Gb LAN, 4x RJ45 Gb PoE, optional 7x or 11x RJ45 Gb LAN 6x USB3.0 Type A (Front), 2x USB2.0 Type A (Rear), 1x USB2.0 Type A (Inside) 8 bit DI: 1x10-pin ter.; 8 bit DO: 1x10-pin ter. (Font), opt. 24bit DIO 2x14pin ter. (Front) 2x RS232/422/485 DB9 (Rear), 2x RS232 DB9 (Rear) 1x Audio out, 1x Mic, 3,5mm phone jack (Rear) 1x HDMI, 1x DP, 1x VGA (Front)
	LED	1x Power LED, 1x HDD LED, 3x CPU term. LED (Red is warning, Yellow is high, Green is normal)
	Control SW	1x Power button, 1x Reset button (Front); 1x 2pin ter. power-on signal (Rear), 1x AT/ATX Select dip (Front)
	Power Supply	DC 9~48V Input, 5-pin terminal connector (Front), Consumption: TDP 19/2.0A (i5-7500T CPU, 4GB RAM, 128GB SSD)
Watchdog Timer	Watchdog timeout programmable via software 1 to 255 seconds	
OS Support	Windows 7, Windows 10, Linux: Fedora, Ubuntu	
Mechanical	Structure	Large U-form aluminum chassis, SGCC frame
	Color	Silver
	Mounting	Desktop mounting
	Dimension (WxHxD)	284 x 222 x 84,7mm
	Net weight	4,65kg
Environmental	Operation temperature	-20°C ~ 65°C - Fanless, with 35W CPU, with wide operating temperature SSD and airflow -10°C ~ 55°C - Fanless, with 35W CPU, with HDD and airflow
	Storage temperature	-40°C ~ 85°C
	Storage Humidity	10~90%@40°C, non-condensing
	Vibration	5 grms/5~500Hz/random/in working status(SSD); 1 grms/5~500Hz/random/in working status(HDD)
	Shock	50g peak acceleration (11ms duration) (SSD); 20g peak acceleration (11ms duration) (HDD)
	EMC	CE / FCC Class A

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Ordering Information

Part No.	Descriptions
KMDA-3601/S001	Fanless Box Computer, Intel [®] Q170 Skylake-S/Kaby Lake-S Core™ i3/i5/i7 LGA1151 CPU, 3xLAN, 4xPoE, 6xUSB3.0, 3xUSB2.0, 4xCOM, 16bit Iso. DIO, 1xM.2, 2xminiPCIe, 1xHDMI, 1xDP, 1xVGA, Audio, 1xl-port, 2x2.5" SATA bay, 1xmSATA, DC 6~48V
KMDA-3601/S002	Fanless Box Computer, Intel [®] Q170 Skylake-S/ Kaby Lake-S Core™ i3/i5/i7 LGA1151 CPU, 7xLAN, 6xUSB3.0, 3xUSB2.0, 4xCOM, 16bit iso. DIO, 1xM.2, 2xminiPCIe, 1xHDMI, 1xDP, 1xVGA, Audio, 1xl-port, 2x2.5" SATA bay, 1xmSATA, DC 6~48V
KMDA-3601/S003	Fanless Box Computer, Intel [®] Q170 Skylake-S/ Kaby Lake-S Core™ i3/i5/i7 LGA1151 CPU, 11xLAN, 6xUSB3.0, 3xUSB2.0, 4xCOM, 24bit iso. DIO, 1xM.2, 2xminiPCIe, 1xHDMI, 1xDP, 1xVGA, Audio, 1xl-port, 2x2.5" SATA bay, 1xmSATA, DC 6~48V
KMDA-3601/T001	Fanless Box Computer, Intel [®] H110 Skylake-S/ Kaby Lake-S Core™ i3/i5/i7 LGA1151 CPU, 2xLAN, 4xUSB3.0, 3xUSB2.0, 4xCOM, 1xM.2, 1xminiPCIe, 1xHDMI, 1xDP, Audio, 1xl-port, 2x2.5" SATA bay, 1xmSATA, DC 6~48V
PA-60DC12	AC/DC power adapter, DC 19V/6,32A 120W

Dimension

Unit: mm

