

KMDA-3602

GPU In-Vehicle Computer, Intel Skylake-S /Kabylake-S Core I3/I5/I7
CPU,2*LAN,4*POE,6*USB 3.0,MXM3.1 GPU 6*4K display,16 bit Isolated DIO,ITPS power supply









Feature :

1. aluminum Chassis, CPU Fanless Cooling
2. Intel KabyLake-S/Skylake-S Core I3/I5/I7 CPU
3. 2*DDR4 1866/ 2133 MHz SODIMM,UP to 32GB
4. 1*MXM 3.1 socket, support NVIDIA/AMD/GPU
5. Intel 1*DP+1*HDMI+1*VGA,GPU 3*DP+1*HDMI
6. 2*Gig LAN,4*POE,6*USB 3.0,3*USB2.0
7. 2*COM,16bit Isolated DIO, Audio out and Mic
8. 2*Mini PCIe(PCle+USB),1*M.2 2242 B-Key
9. 1*mSATA,1*2.5"SATA bay,Anti-vibration design
10. DC 6~48V Wide Power, ITPS Function

Overview:

KMDA-3602 is a high performance In-vehicle Computer with newest cooling design.It is powered by Skylake-S/KabyLake-S CPU and Dual DDR4 2133MHz SODIMM memory. It

features NVIDIA or AMD MXM3.1 GPU module , 1*DP and1*HDMI(Intel HD 4K),3*DP and 1*HDMI(GPU 4K),2*LAN,4*POE,6*USB3.0 ,2*Mini PCIe and 1*M.2 which support 4G,Wifi/BT and GPS communication 1*mSATA and 1*2.5" SATA bay, DC6~48 V wide power input, ITPS delay power on/off function. With CPU+GPU dual processor, multi LAN, multi display, multi wireless communication and anti-vibration design, it is suitable for mobile law enforcement vehicle and special engineering vehicle.

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, suffix T(TE),and consumption TDP 35W
	System Memory	2*260-Pin SODIMM, dual channel DDR4 1866/2133MHz,up to 32GB
	Expansion	1*Full size Mini PCIe with PCIe+USB signal and SIM slot, 1*Half size Mini PCIe with PCIe+USB,1*M.2 2242 B-key with PCIe+SATA3 +USB,1*Full size mSATA(SATA3+USB), support 4G LTE/Wifi and BDS/GPS
	Intel Graphics	Gen.9 th Intel HD Graphics ,HEVC/H265 HW HD en/decoder,DP1.2max.res.4096*2304@60Hz,HDMI1.4b max.res.3840*2160@30Hz,VGA max .res.2650*1600@60Hz,3 independent display
	GPU	MXM3.1 NVIDIA GTX/AMD RX series GPU module, support 3*DP1.2/1.3 and 1*HDMI 1.4b/2.0 4K/5K display
	LAN	2*Intel I210AT PCIE Gigabit Ethernet,10/100/1000Mbps;
	Audio	Realtek ACL662VD controller, Audio out and MIC
	Storage	1*2.5 inch HDD/SSD Bay, SATA 6.0 Gps;1*Msata;1*M.2 2242 B-key
	Control SW	1*Power button,1*Reset button(Front);1*2pinter.power-on signal(Rear),1*AT/ATX Select dip(Front)
	DIO	16bit 2.5KV Optical Isolation DIO,8 bit (High:5~24V,Low:0~1.5V) and 8bit output(100Ma)
	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 CAN bus ports)
	I/O port	6*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) 8bit Input:1*10-pinter. Connector and 8 bit Output:1*10-pinter.connector(Front) 2*RS232/422/485 DB9(Rear) 1*Audio-out and 1*MIC ,3.5mm phone jack(Rear)/1*HDMI+1*DP+1*VGA(Front);3*DP+1*HDMI(Rear)

	Power Supply	DC 6~48V ITPS delay power on/off, with ACC signal in5-pinter.connector(Front),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*81.2mm
	Color	Silver
	Operating temperature	-20C~65C-Fanless, 35W CPU without GPU -10C~45C-Fanless,35WCPU+78WGPU
	Storage Temperature	-40C~85C
	Storage Humidity	10~90%@40C, non-condensing
	Vibration	5.5grms/5~500Hz/Random/in working status(SSD) 1.5grms/5~500Hz/Random/in working status HDD
	Shock	55gpeak acceleration (11ms duration)(SSD) ;25g peak acceleration (11ms duration) (HDD)
	EMC	E-Mark, CE/FCC Class A
	Net Weight	TBD
	Structure	Aluminum Chassis, SGCC frame and SGCC back cover
Mounting	Desktop mounting, with Anti-Vibration plane	

Ordering Info

Model NO.	Introductions
KMDA-3602/S001	GPU In-Vehicle Computer, Intel Skylake-S/Kabylake-S LGA1151 CPU, MXM3.1 GPU,2*LAN,4*POE,6*USB 3.0,3*USB2.0, 2*COM,16*Iso.DIO,1*M.2,2*Mini PCIe2*HDMI,4*DP,1*VGA, Audio,1*I port ,1*2.5 inch SATA bay,1*mSATA, ITPS DC 6~48V
KMDA-3602/T001	GPU In-Vehicle Computer, Intel Skylake-S/Kabylake-SLGA1151 CPU,6*LAN,6*USB3.0,3*USB2.0,2*COM,16*DIO,1*M.2,2*Mini

	PCIe,2*HDMI,4*DP,1*VGA,Audio,1*Ipport,1*2.5"SATA bay,1*mSATA ,ITPS DC6~48 V
NVIDIA GTX 1050TI	MXM3.1TypeB, NVIDIA GTX1050TI, GDDR5 4GB,128bit,768 Cuda cores
NVIDIA GTX 1060	MXM3.1TypeB, NVIDIA GTX 1060, GDDR5 6GB,192bit,1280 Cuda cores
AMD RX 480-4GB	MXM3.1TypeB, AMD RX480, GDDR5 4GB,256bit,2304 Cuda cores
PA-220DC24	AC/DC power adapter, DC 24V/9.17A 220W
PA-120DC19	AC/DC power adapter, DC19V/6.32A120W



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