

AI acceleration box computer, BRAV series

BRAV-7201

Intel Skylake-U/Kabylake-U CPU, 5*LAN, 6*USB, 6*COM, Dual 4K display, 8+16bit Iso. DIO, support intel iVpro, MLU220 M.2 module, DC 9~30V, CPU LED Temp display.

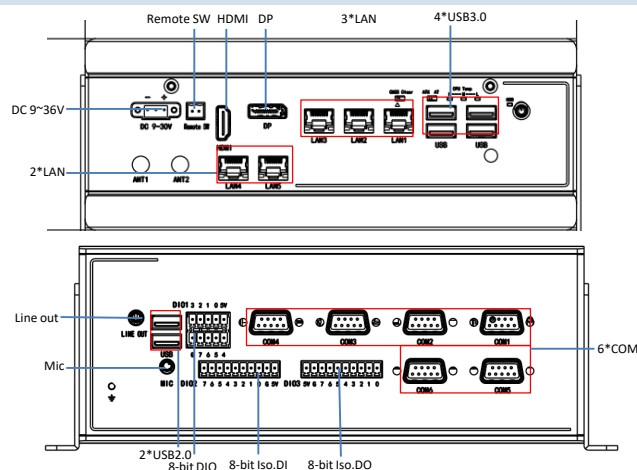


Key Feature

- Moment aluminum profile housing, no fan cooling design Intel Skylake-U/Kabylake-U CPU
- 2*DDR4 2133MHz SODIMM, up to 32GB
- 1*HDMI, 1*DP, dual 4K display port
- 5*Gig LAN, 4*USB3.0, 3*USB2.0(one is internal)
- 6*COM, 1*PS2, 16-bit iso DIO, Audio out and Mic
- 1*Mini PCIe(PCle+USB)full size, 1*MLU220 M.2
- 1*mSATA, 1*2.5" SATA shock absorbing drive bay
- Support intel iVpro and optional support TPM 2.0
- DC 9~30V wide power input, vercurrent, overvoltage, short circuit and reverse connection protection
- Aluminum profile bottom shell is designed for hard disk heat dissipation, improve the working temperature of the hard disk




BRAV-7201 is New industrial design scheme, aluminum moment profile box computer without fan heat dissipation. Intel Skylake-U/Kabylake-U CPU, dual DDR4 2133MHz SODIMM, up to 32GB. Intel 9 gen HD Graphics, HDMI and DP dual 4K display, 5*G-LAN, 4*USB3.0, 6*COM, 16-bit Iso DIO, 1*Mini PCIe, support MLU220 M.2, support dual 4G/Wifi/BT. mSATA and 1*2.5 SATA HDD/SSD. High reliability 9-30V wide power input, Aluminum profile bottom shell is designed for hard disk heat dissipation. It is widely used in artificial intelligence, machine vision and robotics.

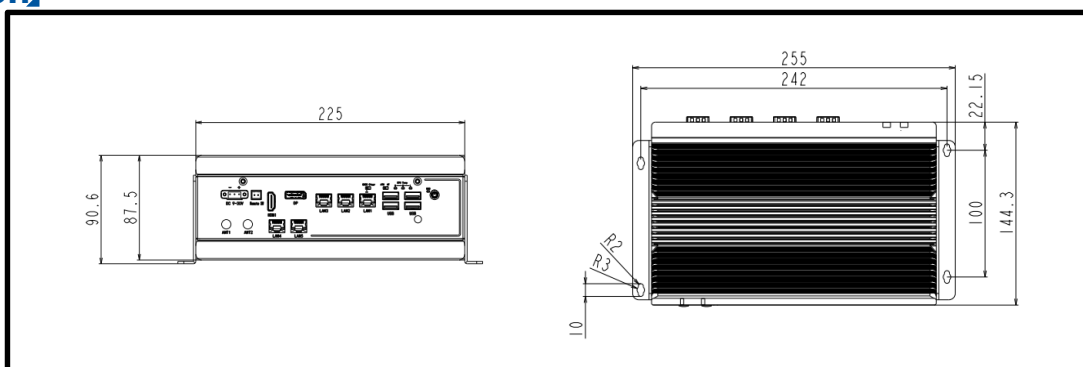


SPEC

System	CPU	Intel Skylake-U Celeron 3855U; Core-U: I3-6100U ; I5-6200U; I7-6500U Intel Kabylake-U Celeron 3865U; Core-U: I3-7100U ; I5-7200U; I7-7500U
	Memery	2*260-Pin SODIMM, dual DDR4 2133MHz, up to 32GB
	Expansion	1* full size Mini PCIe with PCIe X1+USB signal with SIM slot;
	Intel Graphics	Intel Gen. 9th HD Graphics, support HEVC/H265 HW HDMI max. res. 3940*2160@30Hz, DP max. res. 4096*2160@60Hz
	Audio	Realtek ALC662VD, support 5.1 channel
	LAN	2*Intel I210AT, 3*Intel I211AT(opt. I210AT) PCIe Gig. Ethernet, 10/100/1000Mbps
	Storage	1*2.5" Shock absorbing drive bay, Fit to the bottom plate to enhance heat dissipation , SATA3 6.0Gbps HDD/SDD; 1*mSATA full size, support AHCI
	DIO	8+16-Bit TTL single Programmable input and output; 8-bit 2.5KV Optically isolated input (H:5-24V, L:0-1.5V), 8-bit 2.5KV Optically isolated input (100mA)
	I/O port	5*RJ45 w/ LED Gig-LAN (front), 4*USB3.0 Type A (front), 2*USB2.0 Type A(rear) ,1*USB2.0 Type A internal 2*5Pin Phoenix term(8-bit DIO rear), 1*10pinPhoenix term (8-bit Iso DI rear), 1*10pin Phoenix term (8-bit iso DO rear) 2*RS232/422/485 DB9 male(rear), 4*RS232 DB9 male(rear); 1*6pin S terPS2KB/MS(front) 1*Audio-out 3.5mm (rear) and 1*MIC 3.5mm (rear) 1*HDMI Vertical type A(front) and 1*DP type A(front)
	LED	1*PW LED, 1*HDD LED, 3*CPU TEMP LED (Red is warning , Yellow is high, Green is normal)
	Control SW	1*Power button, 1*Reset button(Front);1*2pin ter. power-on signal(Rear), 1*AT/ATX Select dip(Front)
	Power supply	DC IN 9~30V, 3pin ter(front), With reverse connection, short circuit, over voltage and over current protection, TDP: 12V/2A (I3-6100 CPU 4G DDR4)
	Watchdog Timer	Watchdog timeout programmable via software 1 to 255 second
	OS	Linux Fedora Ubuntu

Mechanical	Structure	SGCC chassis, Aluminum frame
	Color	Silver and Black
	Mounting	Desktop Mounting
	Dimension	(W*H*D): 225*144.3*87.5mm
Environmental	Operating temperature	-20°C ~ 60°C – Fanless, wide temp SSD, with airflow -10°C ~ 50°C – Fanless, HDD, with airflow
	Storage Temperature	- 40°C~85°C
	Storage Humidity	10~90%@40°C, Non-condensing
	Vibration	5 grms/5~500Hz/random/in working(SSD); 1 grms/5~500Hz/random/in working (HDD)
	Shock	50g peak acceleration(11ms duration)(SSD); 20g peak acceleration(11ms duration)(HDD)
	Certification/EMC	CE/FCC Class B
M.2 Module	Type	MLU220-M.2
	Memery	4GB, LPDDR4x 64bit, 3200Mhz
	AI Hashrate	8TOPS (INT8)
	Codec ability	Support H.264 , HEVC (H.265) , VP8, VP9 Codec ability: support 16X 1080P @30fps Decoding performance: support 8X 1080P@30fps
	Image decoding	JPEG, Max img res: 8192 x 8192 Decoding performance: 820 fps@FHD, coding performance: 800 fps@FHD
	interface	M.2 2280, B+M key (PCIe3.0 X2)
	Consumption	8.25W
	Dimension	L: 80mm, W:22mm, H: 7.3mm(Fanless), 21.3mm(with heat dissipation module)
	heat dissipation	passive
	surface temperature	-20~80 °C
	Picture	

Dimension



Ordering Info.

No	Introduction
BRAV-7201/S001	AI Accelerate the box computer, Intel I3-6100U/I3-7100U CPU, 5*LAN, 4*USB3.0, 3*USB2.0, 6*COM, 8+16bit iso DIO, 1*Mini PCIe, 1*M.2 2280 M-Key, 1*HDMI, 1*DP , Audio out and Mic, 1*mSATA, 1*2.5" drive bay, DC 9~30V
BRAV-7201/S002	AI Accelerate the box computer, Intel I5-6200U/I5-7200U CPU, 5*LAN, 4*USB3.0, 3*USB2.0, 6*COM, 8+16bit iso DIO, 1*Mini PCIe, 1*M.2 2280 M-Key, 1*HDMI, 1*DP , Audio out and Mic, 1*mSATA, 1*2.5" drive bay, DC 9~30V
BRAV-7201/S003	AI Accelerate the box computer, Intel I7-6500U/I7-7500U CPU, 5*LAN, 4*USB3.0, 3*USB2.0, 6*COM, 8+16bit iso DIO, 1 *Mini PCIe, 1*M.2 2280 M-Key, 1*HDMI, 1*DP , Audio out and Mic,, 1*mSATA, 1*2.5" drive bay, DC 9~30V
BRAV-7201/S004	AI Accelerate the box computer, , Intel 3855U/3865U CPU, 5*LAN, 4*USB3.0, 3*USB2.0, 6*COM, 8+16-bit iso DIO, 1*Mini PCIe, 1*M.2 2280 M-Key, 1*HDMI, 1*DP , Audio out and Mic, 1*mSATA, 1*2.5" drive bay, DC 9~30V
MLU220-M.2	Cambrian AI Acceleration Module, M.2 2280 M+B key(PCIeX2), LPDDR4 4GB, 8TOPS(INT8)
PA-60DC12	AC/DC power adppter, DC12V@5A 60W

*All specifications and photos are subject to change without notice.

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