UBX-310

Intelligent Compact Fanless BOX PC

Features

- Embedded in Intel Bay Trail J1900/Skylake Core i3/i5 processor
- Compact design with 45mm in height
- Easy/quick installation for additional peripherals and expanded modular
- Support 1 x 2.5" SATA HDD Bay and 1 mSATA
- Multiple IO ports is suitable for variety of applications.
- Lockable DC jack design
- Support wall/VESA mount
- Supports WISE-PaaS/RMM and Embedded Software APIs

WISE-PaaS/RMM

Introduction

UBX-310, an intelligent, fanless embedded system powered by Intel® Celeron™ J1900/Skylake Core i3/i5 low power processor with multiple I/O interface. Fanless design can provide the user quiet operation environment and reduce the failure rate. These low-power platforms provide energy-efficient and environmentally responsible solutions, compact and fanless design and serve applications targeted at factory automation, machine automation,retail, kiosks, and self-service applications.

Specifications

		UBX-310D-L0B0E	UBX-310D-F0B0E	UBX-310F-I3B00	UBX-310F-I5B00
Processor	CPU	Baytrail J1900		Core i3-6100U	Core i5-6300U
	Max Speed	2.0GHZ,Turbe Boost up to 2.42GHZ		2.3GHZ	2.4GHZ
Memory	Technology	Single channel DDR3L 1333 MHz SDRAM		Single channel DDR4 2133 MHz SDRAM	
	Max Capacity	Up to 8GB		Up to 16GB	
	Socket	1 x 260-pin SO-DIMM		1 x 260-pin SO-DIMM	
Graphic	Capacity	Integrated Intel® HD Graphics Engine			
	HDMI	Max. resolution 1920 x 1200 @ 60 Hz		Max. resolution 3840 x 2160 @30Hz	
	VGA	Up to SXGA 2560 x 1600 @ 60 Hz		Up to SXGA 2048 x 1152 @ 60 Hz	
Ethernet	Interface	10/100/1000 Mbps		10/100/1000 Mbps	
	Controller	Realtek RTL8111E GbE LAN		I219LM/I211AT GbE LAN	
Audio	Interface	Realtek ALC269		Realtek ALC892	
Front IO	USB2.0	1	1	1	
	USB3.0	NA	1	NA	
	Serial	NA	3	NA	
Rear IO	VGA	1		1	
	HDMI	1		1	
	RJ-45	1		2	
	USB	4 x USB2.0		4 x USB3.0, 2 x USB2.0	
	Serial	3 (COM3 support 5V/12V Power by order)		4 (COM1&COM2 support 5V/12V Power, COM2 support RS232/422/485 by order)	
	LPT	1		NA	
	RJ11	1, cash drawer default 24V		1, cash drawer default 12V	
	Audio	1 x Line-out, 1 x Mic-in		1 x Line-out, 1 x Mic-in	
	DC Jack	1		1	
Expantion	Mini PCIe	1 x F/S MiniPCIe		2 x F/S MiniPCIe	
Storage	SATA3.0	1 x 2.5-inch SATA 2.0 HDD/SSD (7mm height)		1 x 2.5-inch SATA3.0 HDD/SSD (7mm height)	
	mSATA	1		2	
Power	Requirment	ATX Mode, AC to DC, DC 12V/5A, 60W			
Miscellaneous	Dimension (L x W x H)	245 x 185 x 45 mm			
	Weight	2.0kg			
Mounting Mode	Accessories	Wall /VESA mount			
Software	OS	Win7,Win10,POSReady7, Linux Kernel 3.13 or above			
Environment	Operating Temperature	0 ~ 40 °C			
	Storage Temperature	-40 ~ 85 °C (-40 ~ 185 °F)			
	Relative Humidity	90% @ 40 °C (non-condensing)			
	Vibration during operation	With HDD:0.5Grms, IEC 60068-2-64, random 5-500HZ, 3 axes, 1hr/axis			
	Shock during operation	With HDD:10 G, IEC 60068-2-27, half sine, 11 ms duration			
Certifaction		CCC/BSMI/CE/FCC/UL/CB			

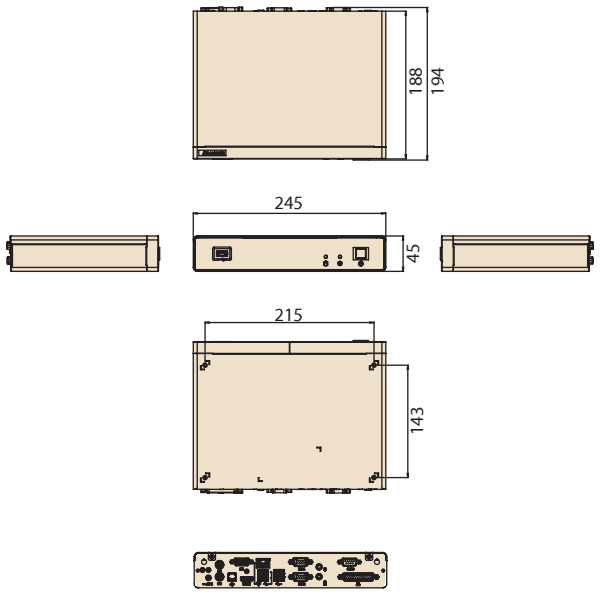
All product specifications are subject to change without notice, * identify as optional function

Last updated: 8-Mar-2019

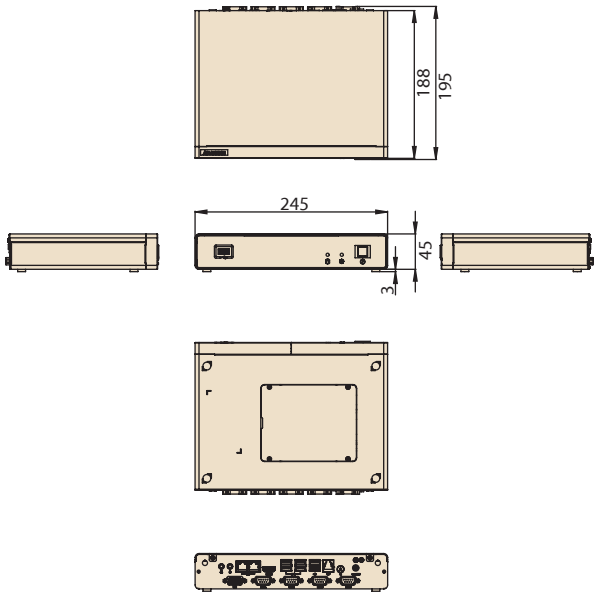
Dimensions

Unit: mm

UBX-310D



UBX-310F



Fully- Integrated I/O

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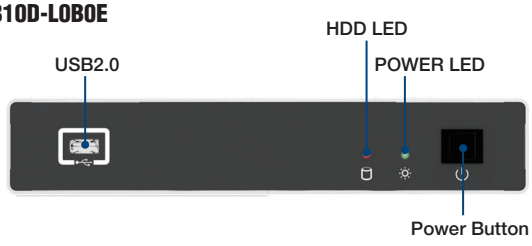

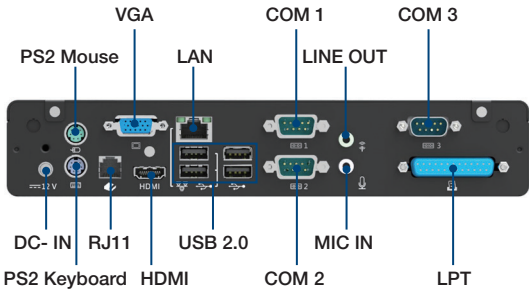
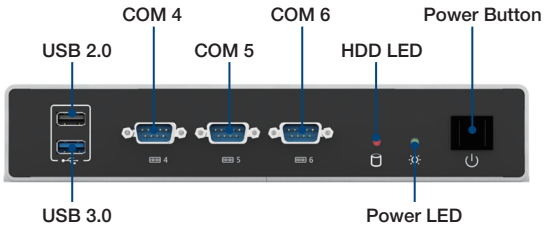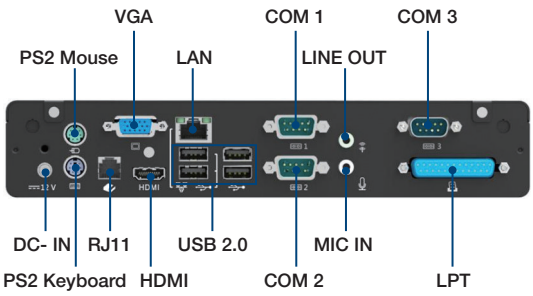
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