UBX-310 Series
Intelligent Fanless POS Box System

UBX-310 is an intelligent, fanless, embedded POS box system equipped with the latest Intel® processor to provide a high-performance yet cost-effective, multi-purpose device. The system also features a small footprint and versatile I/O to support a wide range of peripherals, making it the ideal POS solution for retail, self-service, digital signage, and store management applications.

Compact and Slim POS System Offers Efficient Fanless Operation

Powered by the latest Intel® processor, the UBX-310 delivers high-performance computing. Additionally, the system's fanless, compact, and slim design ensures quiet operation and flexible installation on countertops and in retail stores with limited space.
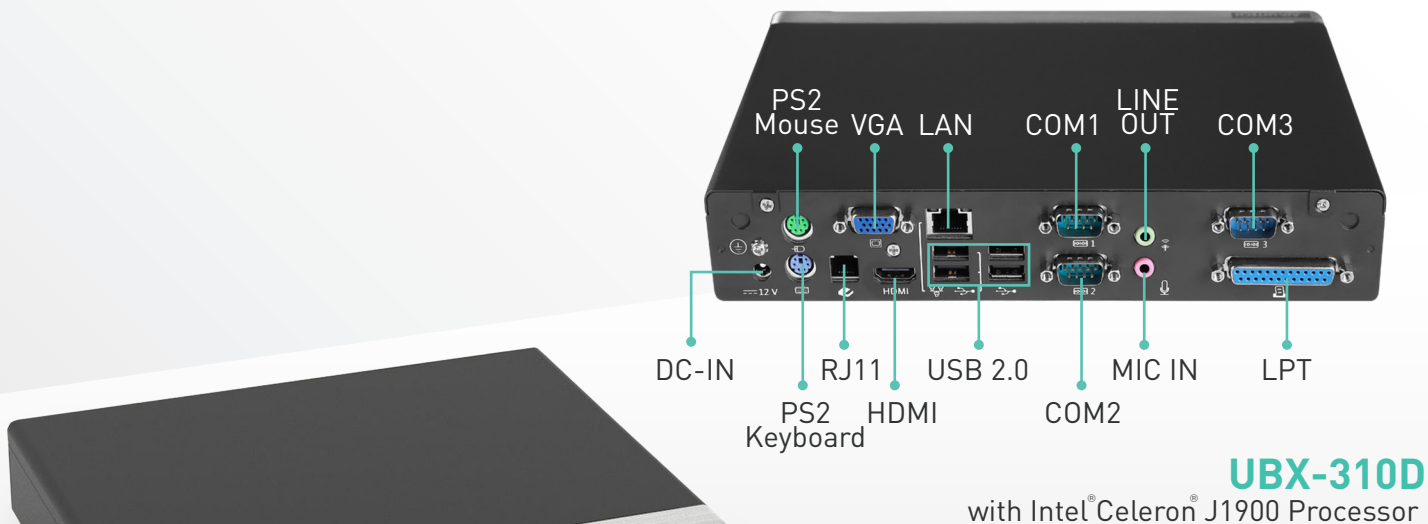
Rich I/O and Peripheral Support for High Expandability

To fulfill various applications in retail and hospitality market, UBX-310 features rich I/O, including expendable COM port, HDMI, VGA and USB ports, as well as mini-PCIe expansion slot for WWAN and mSATA connectivity. Moreover, the UBX-310 can be equipped with modularized peripherals and custom I/O to greatly extend the system functionalities.
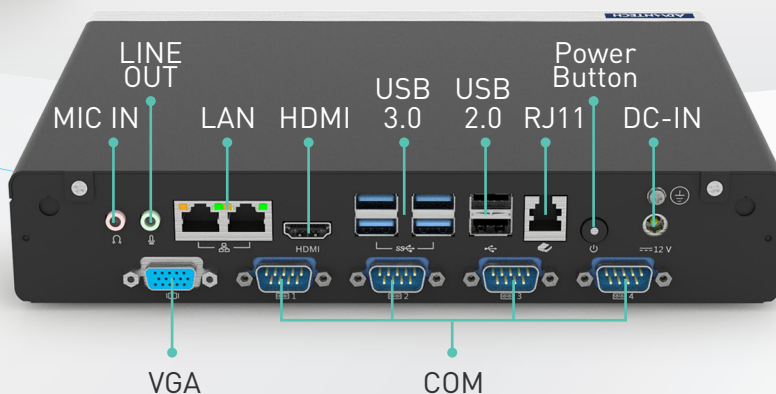
Supports Advantech's WISE-PaaS/RMM Remote Management Software

With the integration of Advantech's WISE-PaaS/RMM remote management software package, UBX-310 provides a cost-effective device for cloud-based remote monitoring and shop floor management

ADVANTECH **iRetail**

PS2
Mouse VGA LAN COM1 LINE OUT COM3

DC-IN RJ11 USB 2.0 MIC IN LPT

PS2 Keyboard HDMI COM2

UBX-310D
with Intel® Celeron® J1900 Processor

LINE OUT

MIC IN LAN HDMI USB 3.0 USB 2.0 RJ11 Power Button DC-IN

VGA COM

UBX-310F
with Intel® Core™-i3-6100U/i5-6300U Processor

		UBX-310D	UBX-310F
Processor System	CPU	Intel® Celeron® J1900	Intel® Core™ i3-6100U / i5-6300U
Memory	Technology	Single channel DDR3L 1333MHz SDRAM	Single channel DDR4 2133MHz
	Max. Capacity	8 GB	16GB
	Socket	1 x 204-pin SO-DIMM	
Graphics	Controller	Integrated Intel HD Graphics engine	Integrated Inte HD 520 Graphics engine
	Multiple Display	Dual	
	Interface	HDMI x 1, VGA x 1	
Ethernet	LAN	1 x RJ45, 10/100/1000 Mbps Realtek 8111E GbE	2 x RJ45, 10/100/1000 Mbps
Audio	Interface	Realtek ALC269, Line-out and Mic-in	Realtek ALC892, Line-out and Mic-in
I/O Interface	Serial Port	3 x COM ports(UBX-310D-F0B0E : 6 x COM), COM3 support 5V & 12V by order	4 x COM ports, COM1, COM2 support 5V or 12V power,COM 2 support RS232/422/485 by order
	USB	5 x USB 2.0 port	3 x USB 2.0, 4 x USB 3.0
	LPT	1 x LPT	
	RJ11	1 x RJ11, 24V default, 12V buy order	
Expansion	Mini PCIe1	1 x Full-size Mini PCIe	2 x Full-size Mini PCIe
Storage	SATA	1 x 2.5-inch SATA III HDD / SSD (7mm Height)	
	mSATA	1 x mSATA	2 x mSATA
Software Support	Microsoft Windows	Win7 x64/x86, Win8.1 x64, Win10 x64	
	Linux	Linux Kernel 3.13 or above (by project)	
Power Requirements	Power Type	ATX mode	
	Power Input Voltage	12 V_{DC} , ± 10%	
	Power Adapter	AC to DC, DC12V / 5A, 60W (Optional)	
Mechanical	Construction	Steel	
	Dimensions (W x H x D)	245 x 45 x 185 mm	
	Weight	2.0 kg	
Environment	Operating Temperature	With 2.5-inch hard disk 0 ~ 40° C (32 ~ 104° F)	
	Storage Temperature	-40 ~ 85° C (-40 ~ 185° F)	
	Relative Humidity	90% @ 40° C (non-condensing)	
	Vibration During Operation	With HDD: 0.5 Grms, 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	
	EMC	CCC/BSMI/CE/FCC	
	Safety	CCC/BSMI/CB/UL	