

AES-2310-C4

Intel 4th Core i5-4300U/ i3-4010U Processor
Fanless Industrial Computers, 4COM, 2LAN
2HDMI, 4USB3/4USB2, wide DC-IN 9-36V



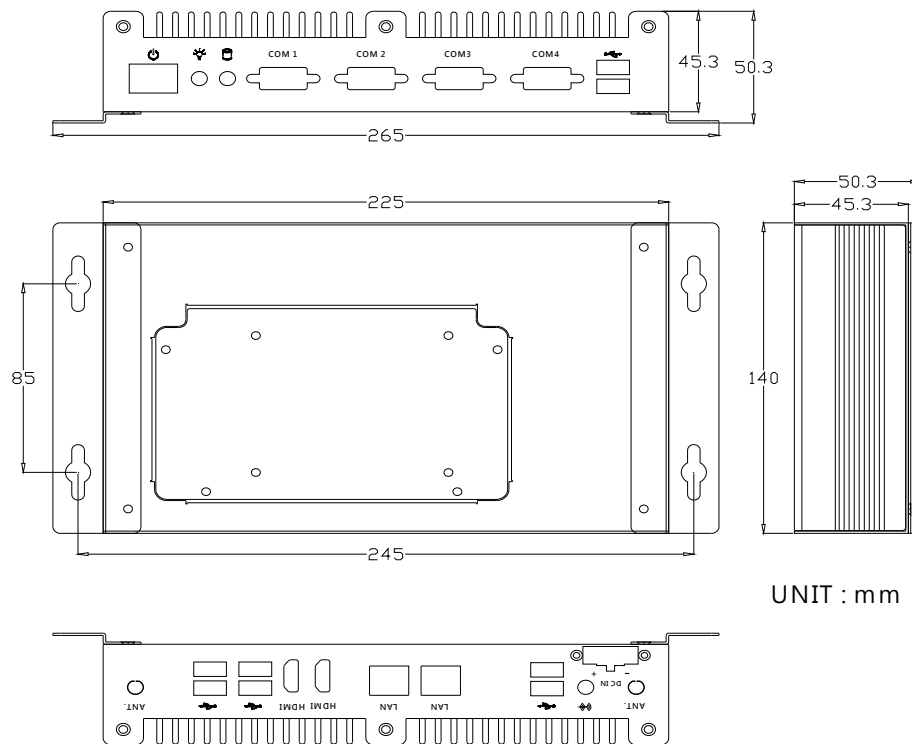
Features

- Intel Haswell ULT Core i5-4300U 1.9GHz CPU, HD Graphics 4400
- Intel Haswell ULT Core i3-4010U 1.7GHz CPU, HD Graphics 4400
- Dual HDMI(1x HDMI 4K2K), 2 Gigabit LAN, 4x USB 3.0, 4x USB 2.0
- 4x COM, COM1/2 by RS-485/422/232, COM3/4 by RS-232
- Wide DC 9-36V Input by 2-Pin phoenix connector
- Supports Microsoft Windows Embedded 8.1 Pro, Embedded Std 8, WS7P, WS7E
- Automation control and performance management system
- ATM, Kiosk, self-service, machine automation, IoT gateway platform

Specifications

		AES-2310V-C4	AES-2310M-C4
Processor System	CPU Max. Speed(Core)	1.7GHz Dual Core	1.9GHz Dual Core
	L2 Cache	3MB	3MB
	CPU/ TDP 15W	I3-4010U	i5-4300U
	BIOS	AMI 16Mb AMI UEFI with GUI support	
	Graphics Processor	Intel Graphics 4400	Intel Graphics 4400
Expansion Slot	Mini-PCIe / mSATA	1 x full-size (shared with mSATA)	
	Mini-PCIe (Half-size)	1 x half-size	
Memory	Specification (SO-DIMM)	1 x DDR3L-1333	
	System Max. Capacity	8GB	
Graphics	HDMI	2 x HDMI (1xHDMI supports HDMI 1.4a, resolution up to 4096x2304 @ 24Hz)	
	LVDS(Internal connector)	1 x Dual channel 24-bit LVDS up to1920 x 1200, (customized LVDS solution for LCD)	
Ethernet	LAN1 Gigabit Controller	1 x Intel I218LM	
	LAN2 Gigabit Controller	1 x Realtek RTL8111G	
Storage	2.5" Driver	1 x SATA1 for 2.5" SATA drive	
	mSATA	1 x full-size Mini-PCIe shared with SATA2	
	SATADOM	Options 32GB SATAIII on SATA2(mSATA disabled)	
System Rear I/O	HDMI	2 x HDMI	
	Ethernet	2 x RJ45	
	USB Type A	4 x USB 3.0, 2 x USB 2.0	
	Audio	1 x Audio port (Line-out)	
	System Power Input	1 x 2-pin phoenix connector 9-36Vdc Input	
	Antenna	2 x Antenna holes (options)	
System Front Bezel	Power-On Button	1x Moment button switch to turn-on system	
	System Power LED	1x LED for system power status	
	HDD LED	1x LED for SATA HDD data access status	
	COM1-2 Ports	2 x DB-9 (2 x RS-485/422/232, Pin9 +5/+12V selectable,)	
	COM3-4 Ports	2 x DB-9 (2 x RS-232)	
	USB Type A	2 x USB 2.0	
	Option GPIO 8-bit	1 x DB-9 or DB-15 by request on front bezel, 4 x GPI + 4 x GPO and GND	
Operation System	Customized LVDS Port	Customized LVDS solution for open frame LCD display	
	Win 7	Win 7 32-bit, 64-bit, WS7E/WS7P 32-bit, 64-bit	
	Win 8	Win 8 32-bit, 64bit	
Watchdog Timer	Output and Interval	System reset, programmable 1 ~ 255 sec/min; 1 sec. or 1min. /step	
Power Requirement	DC Input	9-36Vdc input (option DC12V 60W adapter)	
Environment	Operating Temperature	-10°C ~50°C(32~140°F)	
	Air Flow condition	30°C -50°C with 0.7m/s air flow	
	Storage Temperature	-40 ~ 85°C (-40 ~ 185°F)	
Physical Size	Dimensions	225mm(W) x 140mm(D) x 45mm(H)	
Packing Size	Dimensions	300mm(W) x 260mm(D) x 130mm(H)	
Weight	N.W / G.W.	Single packed: 3Kg / 4Kg	
Certifications	EMC	CE, FCC Class B	

Dimensions Outlook



Ordering Information

Part Number	CPU	HDMI	GbE	USB 3.0	USB 2.0	COM	RAM	F-size Mini-PCIe / mSATA	2.5" SSD/HDD
AES-2310V-C4-M0-m00P0	i3-4010U	2	2	4	4	4	Option	Enabled / Disabled	Option
AES-2310M-C4-M0-m00P0	i5-4300U	2	2	4	4	4	Option	Enabled / Disabled	Option
*AES-2310P-C4-M0-m00P0	i7-4650U	2	2	4	4	4	Option	Enabled / Disabled	Option
AES-2310M-C4-M4-m064P0	i5-4300U	2	2	4	4	4	4GB	Disabled / 64GB	Option
AES-2310M-C4-M4-SD064P0	i5-4300U	2	2	4	4	4	4GB	Enabled / Disabled	2.5" SSD 64GB
AES-2310M-C4-M4-HD5P0	i5-4300U	2	2	4	4	4	4GB	Enabled / Disabled	2.5" HDD 500GB

*AES-2310P is by projects with MOQ.

Optional Items

Part Number	Description
AES-WM-BK	AES-1210 Wall Mount Bracket Kits, Black, with Screws
SODIMM-DDR3-2GBL / 4GBL / 8GBL	204-Pin SODIMM DDR3-1333, 2GB / 4GB / 8GB (1.35V)
MSD-M032 / MSD-M064	mSATA SSD Module MLC, 32GB / 64GB
SA-HD320/HD500	2.5" SATA HDD 7mm height, 320GB / 500GB
SA-SD064 /SD128	2.5" SATA SSD 7mm height, 64GB / 128GB
WPEA-121N	Wi-Fi Module Atheros AR9382, Mini-PCIe Half-size, 2T2R up to 300Mbps, with two wire and antenna, LAN 802.11a/b/g/n
WPEA-152GN(BT)	Wi-Fi / BT, Mini-PCIe Half-size Atheros AR9495 + AR3012, wire and antenna, LAN 802.11b/g/n, BT 4.0LE/3.0HS/2.1EDR
DBAE1-60W-2P	AC-DC 60W Adapter, 90V-264Vac input by C14 socket, DC 12V@5A output with 2-pin phoneix connector