

# AES-2330-C4

## Intel Skylake-U i5-6300U/ i3-6100U Processor Fanless Industrial Computers, 4COM, 2LAN 2DP, 4USB3/4USB2, wide DC-IN 9-36V



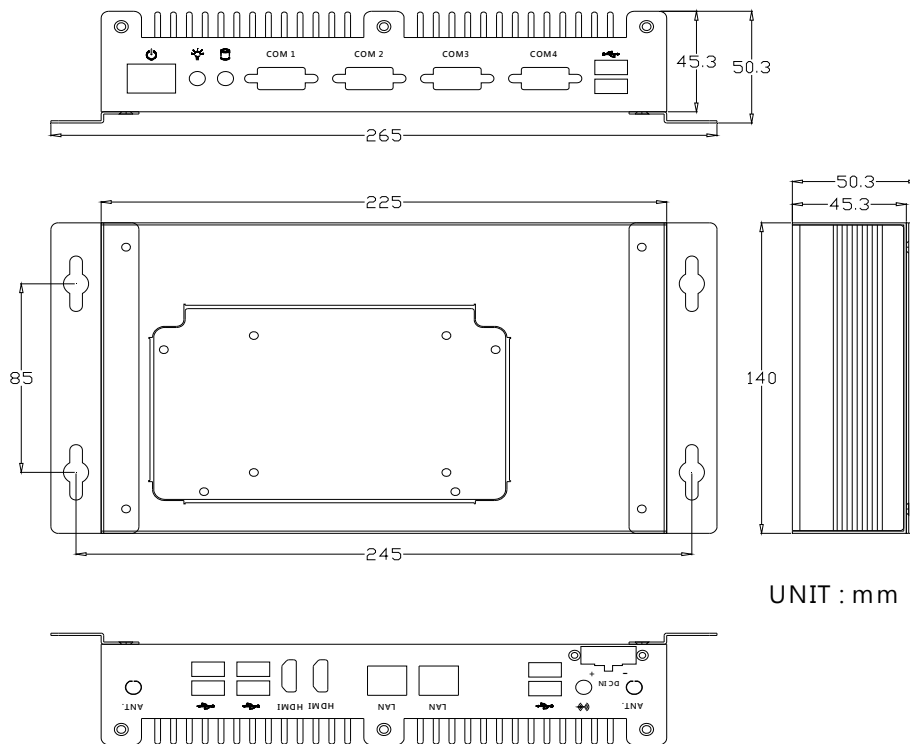
### Features

- Intel Skylake-U Core i5-6300U 2.4GHz CPU, HD Graphics 520
- Intel Skylake-U Core i3-6100U 2.3GHz CPU, HD Graphics 520
- Supports DDR4 2133MHz, 2 x SO-DIMM, up to 32GB
- Dual DP 1.2, max resolution 4096x2160 @60Hz
- 2 Gigabit Intel LAN, 4x USB 3.0, 4x USB 2.0
- 4x COM, COM1 by RS-485/422/232, COM2/3/4 by RS-232
- Wide DC 9-36V Input by 2-Pin phoenix connector
- Supports Microsoft Windows 10 IoT 64bit (Ent LTSB)
- Automation control and performance management system
- ATM, Kiosk, self-service, machine automation, IoT gateway platform

## Specifications

		AES-2330M-C4	AES-2330V-C4
Processor System	CPU Max. Speed(Core)	2.4GHz up to 3.0GHz, Dual Core	2.3GHz Dual Core
	L2 Cache	3MB	3MB
	CPU/ TDP 15W	i5-6300U	i3-6100U
	BIOS	AMI 16Mb AMI UEFI with GUI support	
	Graphics Processor	Intel HD Graphics 520	
Expansion Slot	Mini-PCIe / mSATA	1 x full-size ( Mini-PCIe shared with mSATA)	
	Mini-PCIe	1 x full-size	
Memory	Specification (SO-DIMM)	2 x DDR4 2133MHz ( 2 x SO-DIMM)	
	System Max. Capacity	32GB	
Graphics	DP	2 x DP (Supports DP 1.2, resolution up to 4096x2160 @ 60Hz)	
	LVDS(Internal connector)	1 x Dual channel 24-bit LVDS up to 1920 x 1200@60Hz	
Ethernet	LAN1 Gigabit Controller	1 x Intel I219-LM/V	
	LAN2 Gigabit Controller	1 x Intel I211AT	
Storage	2.5" Driver	1 x SATA3 for one 2.5" SATA HDD/SSD Drive	
	mSATA	1 x full-size Mini-PCIe shared with SATA2	
System Rear I/O	DP	2 x DP	
	Ethernet	2 x RJ45	
	USB Type A	4 x USB 3.0, 4 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 Port	1 x DB-9 ( 1 x RS-485/422/232, Pin9 +5/+12V selectable,)	
	COM2-4 Ports	3 x DB-9 ( 3 x RS-232)	
	USB Type A	2 x USB 2.0	
	Option GPIO 8-bit	1 x DB-9 or 1x DB-15 by request on front bezel, 4 x GPI + 4 x GPO and GND	
	Customized LVDS Port	Customized LVDS solution for open frame LCD display	
Operation System	Win 10	Win 10 IoT 64-bit, Ent LTSB	
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) / TBC	
	Air Flow condition	50°C -60°C with 0.7m/s air flow or by low TDP setting / TBC	
	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	N/A	

## Dimensions Outlook



## Ordering Information

Part Number	CPU	DP	GbE	USB 3.0	USB 2.0	COM	RAM	mSATA	2.5" SSD/HDD	60W Power
AES-2330V-C4-M0-H00P0	i3-6100U	2	2	4	4	4	Option	Option	Option	Option
AES-2330M-C4-M0-H00P0	i5-6300U	2	2	4	4	4	Option	Option	Option	Option
AES-2330V-C4-M4-HD5P0	i3-6100U	2	2	4	4	4	4GB	Option	2.5" HDD 500GB	Option
AES-2330M-C4-M4-HD5P0	i5-6300U	2	2	4	4	4	4GB	Option	2.5" HDD 500GB	Option
AES-2330V-C4-M4-HG5P0	i3-6100U	2	2	4	4	4	4GB	Option	2.5" 7x24 HDD 500GB	Option
*AES-2330P-C4-M0-H00P0	i7-6600U	2	2	4	4	4	Option	Option	Option	Option

\*AES-2330P is by projects with MOQ.

## Optional Items

Part Number	Description
AES-WM-BK	AES-1210 Wall Mount Bracket Kits, Black, with Screws
SODIMM-DDR4- 4GBL / 8GBL	204-Pin SODIMM DDR4-2133, 4GB / 8GB
MSD-M032 / MSD-M064	mSATA SSD Module MLC, 32GB / 64GB
SA-HD500	2.5" SATA HDD 7mm height, 500GB
SA-HG500	2.5" SATA HDD 7mm height, 500GB 7200RPM, 7x24
SA-SD064 /SD128	2.5" SATA SSD 7mm height, 64GB / 128GB
WPEA-121N	Wi-Fi Module Atheros AR9382, Mini-PCle Half-size, 2T2R up to 300Mbps, with two wire and antenna, LAN 802.11a/b/g/n
WPEA-152GN(BT)	Wi-Fi / BT, Mini-PCle 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