

AES-1210-P

**Intel Celeron N2930 Quad-Core 1.83GHz
Fanless Embedded Industrial PC, VGA/HDMI
2LAN, 8USB3/2, 2COM, Wide 9-36V DC-IN**



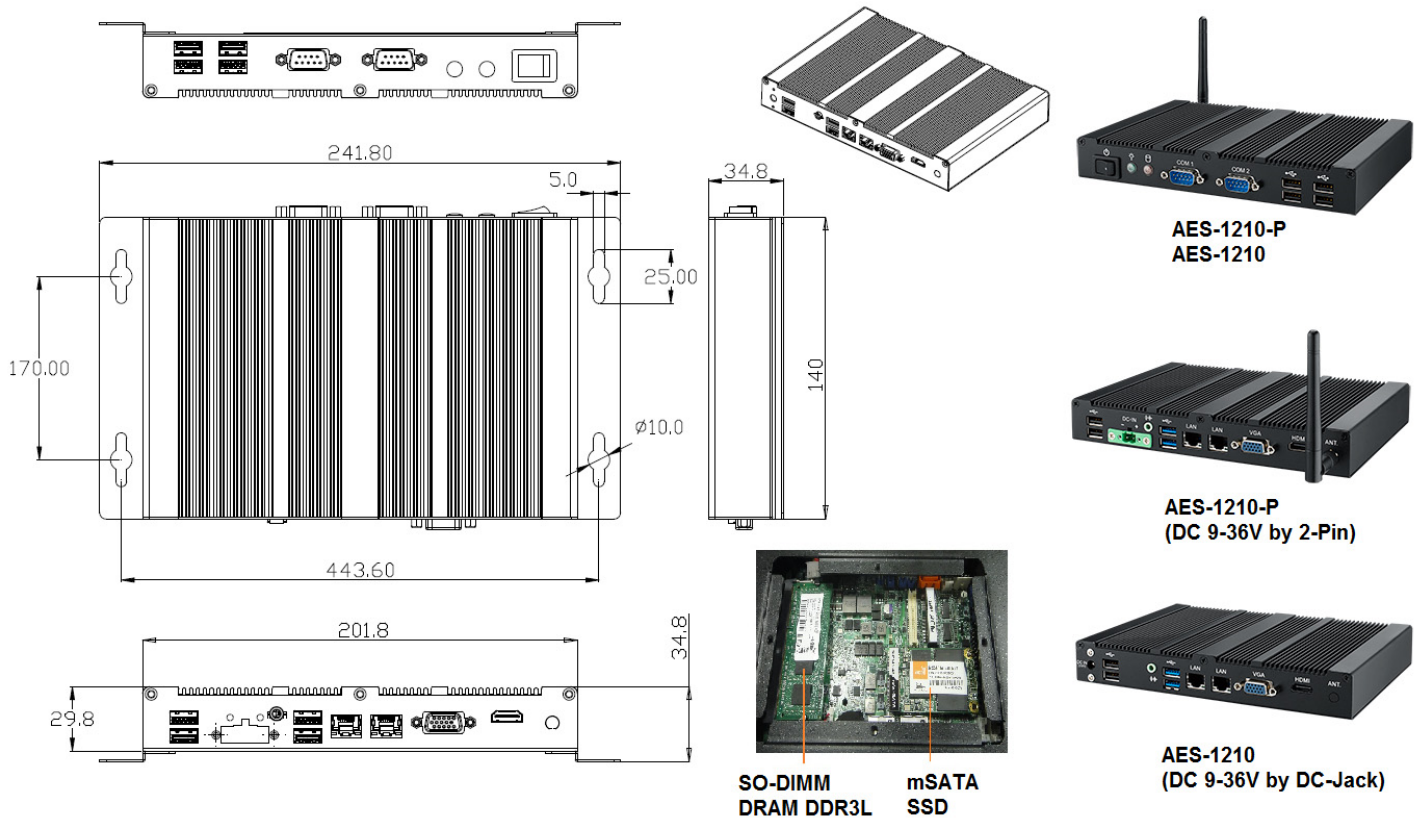
Features

- With Intel Bay Trail-M Celeron Quad-Core N2930 1.86GHz CPU
- * With Intel Atom E3826 Dual-Core 1.46GHz CPU(project based)
- Highly compact, optimized performance and low power system
- Dual independent display VGA/HDMI, Dual Gigabit LAN
- COM1(RS-485/422/232), COM2(RS-232), 2USB 3.0, 6USB 2.0
- Wide DC 9-36V Input by 2-pin phoenix connector or by DC-Jack
- 0°C ~ 50 operation for harsh environment(60°C environment based on with 0.7m/s air flow), fanless design maintenance-free
- Digital signage, ATM, Kiosk, self-service and automation control
- Customized LVDS solution for LCDs display

Specifications

	CPU	AES-1210M	*AES-1210E	AES-1210M-P	*AES-1210E-P	
Processor System	Max. Speed(Core)	1.86GHz(4-core)	1.46GHz(2-Core)	1.86GHz(4-core)	1.46GHz(2-Core)	
	L2 Cache	2MB	1MB	2MB	1MB	
	CPU/Power	Celeron N2930	Atom E3826	Celeron N2930	Atom E3826	
	BIOS	AMI 16Mb AMI UEFI with GUI support				
	Power Consumption	7.5W	7W	7.5W	7W	
Expansion Slot	Mini-PCIe	1 x half-size + 1 x full-size				
	mSATA	1 x Mini-PCIe full-size (shared with SATA2, selectable by jumper)				
Memory	Specification (SO-DIMM)	1 x DDR3L-1333				
	System Max. Capacity	8GB				
Graphics	VGA	1xVGA(1920x1200)				
	HDMI	1 x HDMI (1920 x 1200)				
Ethernet	Interface Controller	Realtek RTL8111E-VL				
	Connector	2 x RJ-45				
SATA	Max Data Transfer Rate	SATAII (3.0Gb/s)				
	SATA connector	2 x SATAII, SATA1 & SATA2 (Option SATADOM and pre-installed on SATA1)				
System Rear I/O	VGA	1 x DB-15				
	HDMI	1 x HDMI				
	Ethernet	2 x RJ45				
	USB	2 x USB 3.0, 2 x USB 2.0 type A				
	Audio	1 x Audio ports (Line-out)				
Option(front bezel)	System Power Input	1 x DC-Jack, or 2-pin phoenix connector 9-36Vdc Input				
	Option COM3/4	DB-9 by request on front bezel				
System Front Bezel	Option GPIO 8-bit	DB-9 by request on front bezel, 4 x GPI + 4 x GPO				
	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				
	COM Ports	2 x DB-9 (COM1 RS-232/422/485, Pin9 +5/+12V selectable, COM2 RS-232)				
Operation System	USB	4 x USB 2.0 type A				
	Windows XP, XP 64bit	N/A				
	Win 7	Win 7 32-bit, 64-bit, WS7E 32-bit, 64-bit				
Watchdog Timer	Win 8.1, Win 8	Win 8.1/8 32-bit, 64bit				
	Output and Interval	System reset, programmable 1 ~ 255 sec/min; 1 sec. or 1min. /step				
Power Requirement	DC Input	9-36Vdc input by DC-Jack		9-36Vdc input by 2-pin phoenix connector		
	Environment	Operating Temperature	0~50°C (32~140°F)			
Air Flow condition		60°C with 0.7m/s air flow				
Storage Temperature		-40 ~ 85°C (-40 ~ 185°F)				
Physical Size	Dimensions	202mm(W) x 140mm(D) x 30mm(H)				
Packing Size	Dimensions	300mm(W) x 260mm(D) x 130mm(H)				
Weight	N.W / G.W.	Single packed: 1.5Kg / 2.0Kg; Double packed: 3Kg/ 3.5Kg				
Certifications	EMC	CE, FCC Class B				

Dimensions Outlook



Ordering Information

Part Number	CPU	VGA	HDMI	GbE	USB 3.0	USB 2.0	COM1	COM2	RAM	*SATADOM	mSATA	DC-IN
AES-1210M-M2-M032P	N2930 1.8G	1	1	2	2	6	RS-232/422/485	RS-232	2GB	N/A	32GB	2-Pin
AES-1210M-M4-M032P	N2930 1.8G	1	1	2	2	6	RS-232/422/485	RS-232	4GB	N/A	32GB	2-Pin
AES-1210M-M2-M064P	N2930 1.8G	1	1	2	2	6	RS-232/422/485	RS-232	2GB	N/A	64GB	2-Pin
AES-1210M-M4-M064P	N2930 1.8G	1	1	2	2	6	RS-232/422/485	RS-232	4GB	N/A	64GB	2-Pin
AES-1210M-M2-SO16P	N2930 1.8G	1	1	2	2	6	RS-232/422/485	RS-232	2GB	16GB	Option	2-Pin
AES-1210M-M4-SO16P	N2930 1.8G	1	1	2	2	6	RS-232/422/485	RS-232	4GB	16GB	Option	2-Pin
AES-1210M-M2-SO32P	N2930 1.8G	1	1	2	2	6	RS-232/422/485	RS-232	2GB	32GB	Option	2-Pin
AES-1210M-M4-SO32P	N2930 1.8G	1	1	2	2	6	RS-232/422/485	RS-232	4GB	32GB	Option	2-Pin

AES-1210M will keep safety stock,* AES-1210E is by project beased demanding. *SATADOM has to be pre-installed on SATA1 by production before shipment.

Optional Items

Part Number	Description
AES-WM-BK	AES-1210 Wall Mount Bracket Kits, Black, with Screws
SODIMM-DDR3-2GBL / 4GBL	204-Pin SODIMM DDR3-1333, 2GB / 4GB (1.35V)
MSD-M032 / M064	mSATA SSD Module interface SATA III (6.0Gb/s), MLC, Toshiba TSOP 19mn, 32GB / 64GB
SATADOM-SO16 / SATADOM-SO32	SATADOM 16GB / 32GB, interface SATA III (6.0Gb/s), MLC, R/W 150/40 MS/sec (preinstalled on SATA1)
WF-RTL8188	Wi-Fi Module RTL8188, Mini-PCIe Half-size, with wire and antenna, LAN 802.11/b/g/n
AIS-DBAE1-60W-DJ	AC-DC 60W Adapter, 90V-264Vac input by C14 socket, DC 12V@5A output with DC Jack connector
AIS-DBAE1-50W-2P	AC-DC 50W Adapter, 90V-264Vac input by C14 socket, DC 12V@4.16A output with 2-pin phoneix connector