

# AES-2060

Intel Elkhart Lake Celeron J6412, N6210 CPU  
Fanless Industrial Computer, 2HDMI, 2LAN  
4USB3/2USB2, 4COM, DC-IN +9V ~ 36V



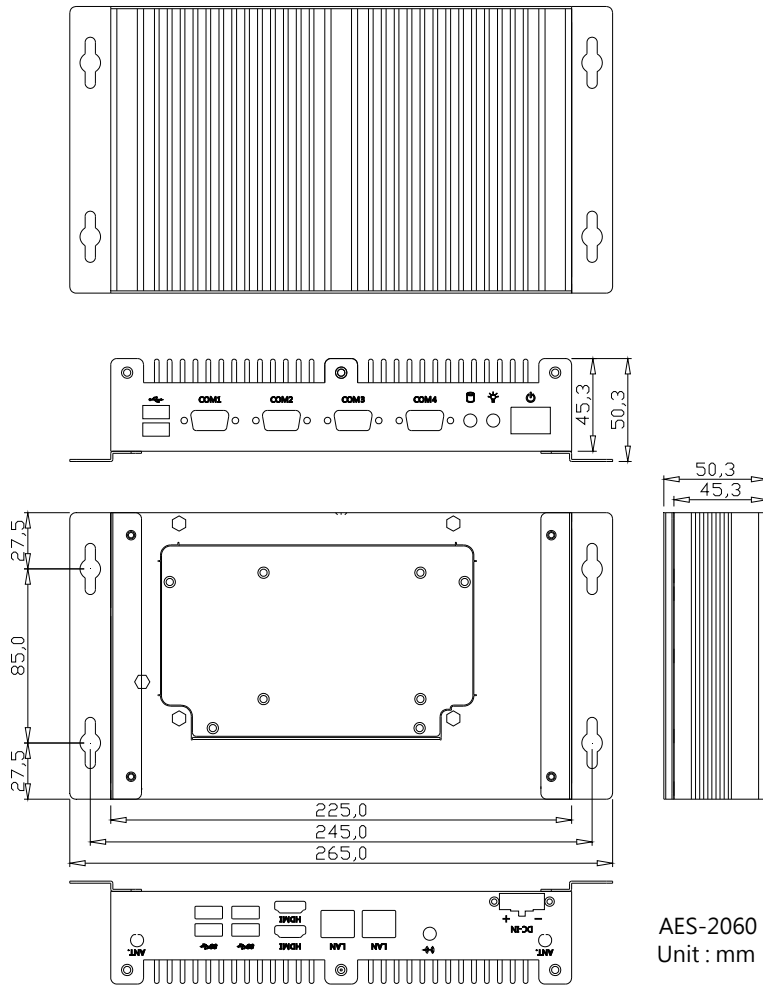
## Features

- Intel Elkhart Lake Celeron J6412 QC and N6210 DC CPU
- Supports 2 x DDR4 3200MHz SO-DIMM, Max. 32GB system memory
- 2 x HDMI 2.0 Port, max resolution 4096x2160 @60Hz
- 2 Gigabit Intel LAN, 4 x USB 3.2, 2 x USB 2.0
- 4 x COM, COM2 by RS-485/422/232, COM1/3/4 by RS-232
- Onboard M.2 M-Key, 1 x Full-size Mini-PCIe w/ Nano SIM card slot
- DC +9V ~ +36V Input
- Supports Microsoft Windows 10 IoT 64bit (Ent 2019 LTSC)
- ATM, Kiosk, self-service, machine automation, IoT gateway platform

## Specifications

AES-2360 Series Key Features		AES-2060J-M0M00P0	AES-2060N-M0M00P0
Processor System	CPU Max. Speed	Up 2.6GHz/2.0GHz	Up 2.6GHz/1.2GHz
	L2 Cache / Core	1.5MB / 4-Core	1.5MB / 2-Core
	CPU/ TDP	Celeron J6412 / 10W	Celeron N6210 / 6.5W
	BIOS	AMI SPI 256Mbit, XQ2.0	
Security	Graphics Processor	Intel UHD Graphics	
	TPM	TPM 2.0 option	
Expansion Slot	M.2 M-Key	1 x M.2 M-Key 2280 (SATA 3.0 , support NVMe SSD )	
	Mini-PCIe	1 x full-size Mini-PCIe with SIM socket	
Memory	Specification (SO-DIMM)	2 x DDR4 3200MHz, 2x SO-DIMM up to 16GB	
	System Max. Capacity	32GB	
Graphics	HDMI	2 x HDMI 2.0 port, supporting resolution up to 4096x2160 @ 60Hz	
Ethernet	LAN Gigabit Controller	2 x LAN (Intel I211AT)	
Storage	M.2 E-Key	1 x M.2 E-Key 2280 (SATA 3.0, support NVMe SSD)	
	2.5" SATA Driver	1 x 2.5" SATA HDD/SSD	
System Rear I/O	HDMI	2 x HDMI	
	Ethernet	2 x RJ45	
	USB Type A	4 x USB 3.2(Gen 1)	
	Audio	1 x Audio port (Line-out by headphone Jack)	
	System Power Input	1 x 2-pin phoenix connector 9~36Vdc	
	Antenna	2 x Antenna holes (options)	
System Front Bezel	Power-On Button	1 x Moment button switch to turn-on system	
	System Power LED	1 x LED for system power status	
	HDD LED	1 x LED for SSD data access status	
	COM1 Port	1 x DB-9 (RS-232/422/485 with 5V/12V selectable)	
	COM2 Port	1 x DB-9 (RS-232/422/485)	
	COM3-4 Ports	2 x DB-9 (RS-232)	
Operation System	USB Type A	2 x USB 2.0	
	Windows 64-bit	Win 10 IoT 64-bit	
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/5A 60W adapter)	
Environment	Operating Temperature	0°C ~ 60°C(32°F ~ 140°F)	
	Air Flow 0.7m/s condition	50°C ~60°C (122°F ~140°F)	55°C ~60°C (131°F ~140°F)
	Storage Temperature	-40°C ~ 85°C ( -40°F ~ 185°F )	
Physical Size	Dimensions	225mm(W) x 140mm(D) x 45mm(H)	
Packing Size	Dimensions	300mm(W) x 270mm(D) x 130mm(H)	
Weight	N.W / G.W.	Single packed: 2.5Kg / 3Kg	
Certifications	EMC	CE, FCC Class B	

## Dimensions Outlook



## Ordering Information

Part Number	CPU	HDMI	GbE	USB 3.2	USB 2.0	COM	DDR4 RAM	M.2 M-Key	60W PSU
AES-2060J-M0H00P0	J6412	2	2	4	2	4	Option	Option	Option
AES-2060N-M0H00P0	N6210	2	2	4	2	4	Option	Option	Option
AES-2060J-M8N12DP0	J6412	2	2	4	2	4	8GB	128GB SATA3 TLC	Option
AES-2060N-M8N64DP0	N6210	2	2	4	2	4	8GB	64GB SATA3 TLC	Option

## Optional Items

Part Number	Description
SODIMM-DDR4- M8	204-Pin SODIMM DDR4-2133 8GB
M2-N12D(2280)	M.2 SATA3 2280 128GB 3D-TLC by M-KEY
AC-9260	M.2 2230 (E-KEY) Wi-Fi Module, Intel AC9260 802.11abgn + Bluetooth 5.0, dual band 2T2R
DHAN3-60W-2P	AC-DC 60W Adapter, 90V-264Vac input by C14 socket, DC 12V@5A output with 2-pin phoneix connector
AES-WM-BK	AES Wall Mount Kits with Screws