

# AES-2362-C4

## Intel Tiger Lake i7-1185G7E/i5-1145GRE CPU Fanless Industrial Computers, 2HDMI, 2LAN 4USB3/4USB2, 4COM, M.2, SIM, DC-IN 12-24V



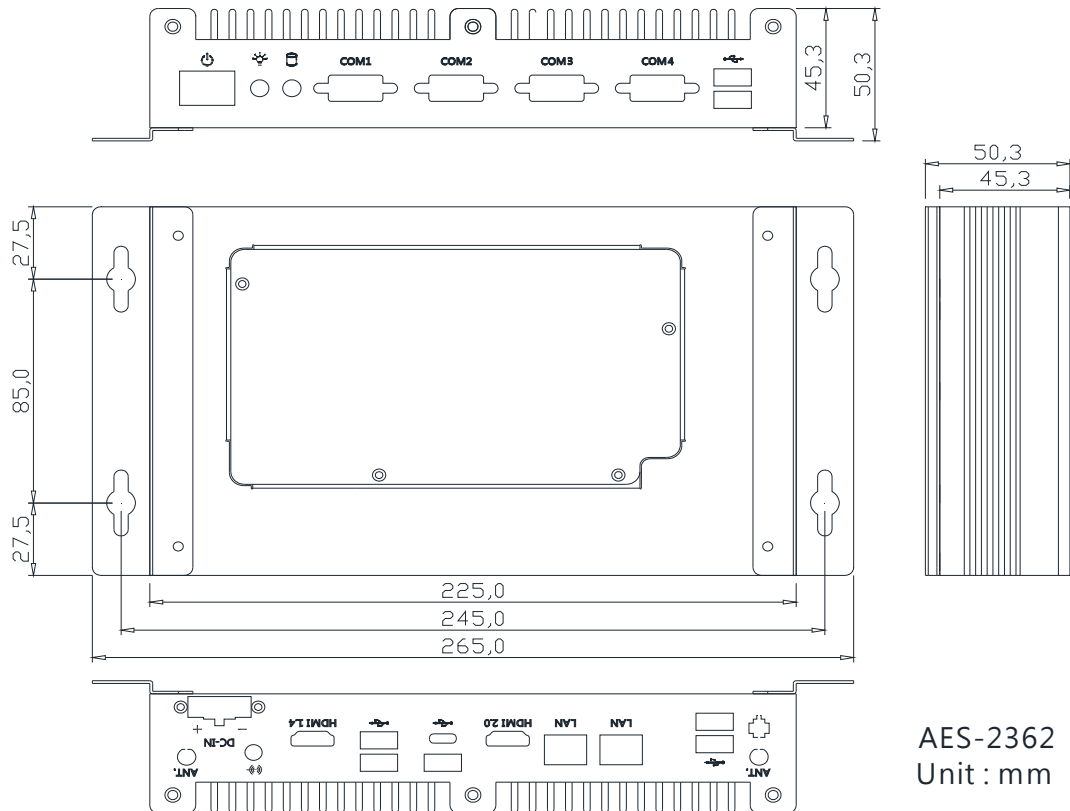
### Features

- Intel 11th Tiger Lake Q-Core i7-1185G7E / i5-1145GRE, Dual Core i3-1115GRE and Celeron 6305UE CPU
- Supports DDR4 3200MHz, 2xSO-DIMM, up to 64GB system memory
- 1x HDMI 2.0/ 1x HDMI 1.4 resolution up to 4096x2160 @60 /30Hz
- 2.5G Intel LAN, 3USB 3.2, 1x USB 3.2 (Type C), 4USB2, TPM 2.0
- COM1/2 by RS-485/422/232, COM3/4 by RS-232
- M.2 Key M with PCIe 4.0 x4, Key B with Nano SIM card slot
- Wide DC 12-24V Input by 2-Pin phoenix connector
- Supports Microsoft Windows 10 IoT 64bit (Ent 2019 LTSC)
- ATM, Kiosk, self-service, machine automation, IoT gateway platform

## Specifications

AES-2362 Series Key Features		AES-2362H-C4	AES-2362E-C4	AES-2362L-C4	AES-2362C-C4
Processor System	CPU Max. Speed	Up 4.4GHz/1.8GHz	Up 4.1GHz/1.5GHz	Up 3.9GHz/2.2GHz	1.8GHz
	L2 Cache / Core	12MB, 4-Core/8T	8MB, 4-Core/8T	6MB, 2-Core/4T	4MB, 2-Core/2T
	CPU/ TDP 15W	i7-1185G7E	i5-1145GRE	i3-1115GRE	Celeron 6305UE
	BIOS	256Mb SPI MX25L25673GM21-08G			
Expansion Slot	Graphics Processor	Intel Iris Xe Graphics		Intel UHD Graphics	
	M.2 B-Key	1 x M.2 B-Key 2242/3042/2280 (SATA3/USB 3.0/2.0, PCIe 3.0 x1) with Nano SIM			
	M.2 E-Key	1 x M.2 E-Key 2230(Pcie 3.0 x1, CNVI and USB 2.0 for Wireless			
Memory	M.2 M-Key	1 x M.2 M-Key 2242/2280 ( PCIe 4.0 x4 ) Slot, PCIe Gen4 NVMe support			
	Specification (SO-DIMM)	2 x DDR4 3200MHz, 2x SO-DIMM, 32GB per slot			
Graphics	System Max. Capacity	Up to 64GB			
	HDMI 2.0	1 x HDMI 2.0 (max. resolution up to 4096 x 2160@60Hz)			
Ethernet	HDMI 1.4	1 x HDMI 1.4 (max. resolution up to 4096 x 2160@30Hz)			
	LAN Ethernet Controller	2 x LAN Intel I225-IT 2.5G, TSN, industrial grade			
Storage	M.2 B-Key	1 x M.2 B-Key 2242/3042/2280 ( SATA 3.0/USB3.0/2.0 )			
	M.2 M-Key	1 x M.2 M-Key 2242/2280(Pcie 4.0 x4), NVMe support			
	2.5" SATA Driver	N/A			
System Rear I/O	HDMI	2 x HDMI			
	Ethernet	2 x RJ45 2.5G			
	USB 3.2 Type A	3 x USB 3.2(Gen 2) Type A			
	USB 3.2 Type-C	1 x USB 3.2(Gen 2) Type C (to DP, Alt mode, max. resolution up to 4096x2304@60Hz)			
	USB 2.0 Type A	2 x USB 2.0			
	Audio	1 x Audio port (Line-out)			
	System Power Input	1 x 2-pin phoenix connector 12-24Vdc Input			
System Front Bezel	Antenna	2 x Antenna holes (options)			
	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 SSD data access status			
	COM1-2 Port	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 1x GPIO Board by request on front bezel, 4 x GPI + 4 x GPO and 5V/GND			
Operation System	Customized LVDS Port	Customized LVDS solution for open frame LCD display by request			
	Windows 64-bit	Win 10 IoT 64-bit, Ent 2019 LTSC			
Watchdog Timer	Linux 64-bit	Ubuntu 19.04 / 20.04; Fedora 30; RHEL 7.6/8.0/8.2; SUSE Leap/SLES			
	Output and Interval	System reset, programmable 1 ~ 255 sec/min; 1 sec. or 1min. /step			
Power Requirement	DC Input	12-24Vdc input (option DC12V 60W adapter)			
	Operating Temperature	0°C ~50°C(32~122°F)			
Environment	Air Flow condition	50°C - 60°C (122~140°F) w/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 270mm(D) x 130mm(H)			
Weight	N.W / G.W.	Single packed: 2.5Kg / 3Kg			
Certifications	EMC	To be ready soon			

## Dimensions Outlook



AES-2362  
Unit : mm

## Ordering Information

Part Number	CPU	HDMI	GbE	USB 3.2	USB 2.0	COM	DDR4 RAM	M.2 B-Key	M.2 M-Key	60W PSU
AES-2362H-C4-M0-M00P0	i7-1185G7E	2	2	3/1	4	4	Option	Option	Option	Option
AES-2360E-C4-M0-M00P0	i5-1145GRE	2	2	3/1	4	4	Option	Option	Option	Option
AES-2360L-C4-M0-M00P0	i3-1115GRE	2	2	3/1	4	4	Option	Option	Option	Option
AES-2360C-C4-M0-M00P0	C-6305UE	2	2	3/1	4	4	Option	Option	Option	Option
AES-2360E-C4-M8-R12DP0	i5-8365UE	2	2	3/1	4	4	8GB	Option	128G TLC/80	Option
AES-2360E-C4-M8-N12LP0	i5-8365UE	2	2	3/1	4	4	8GB	128G MLC/80 SA	Option	Option
AES-2360L-C4-M8-N64DP0	i3-8145UE	2	2	3/1	4	4	8GB	64G TLC/80 SA	Option	Option
AES-2360C-C4-M4-M64DP0	C-4305UE	2	2	3/1	4	4	4GB	64G TLC/42 SA	Option	Option

## Optional Items

Part Number	Description
SODIMM-DDR4- M4 / M8	204-Pin SODIMM DDR4-2133, 4GB / 8GB
M2-M64D(2242)/N12D(2280)	M.2 SATA3 2242 64GB 3D-TLC/ M.2 2280 128GB 3D-TLC (B-KEY)
M2-M64L(2242)/N12L(2280)	M.2 SATA3 2242 64GB MLC/ M.2 2280 128GB MLC (B-KEY)
M2-M25D(2242)/N51D(2280)	M.2 SATA 2242 256GB 3D-TLC / M.2 2280 512GB 3D-TLC (M-KEY)
M2-Q12D(2242)/R12D(2280)	M.2 NVMe Gen3x4, 2242 128GB 3D-TLC / M.2 NVMe Gen3x4 2280 128GB 3D-TLC (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