

# AES-2365 Series

Intel Tiger Lake i5-1145G7E/ i3-1115G4E CPU  
Fanless Industrial Computer, 2HDMI, 2LAN  
4USB3/4USB2, M.2, 4COM, SIM, DC-IN 9-48V



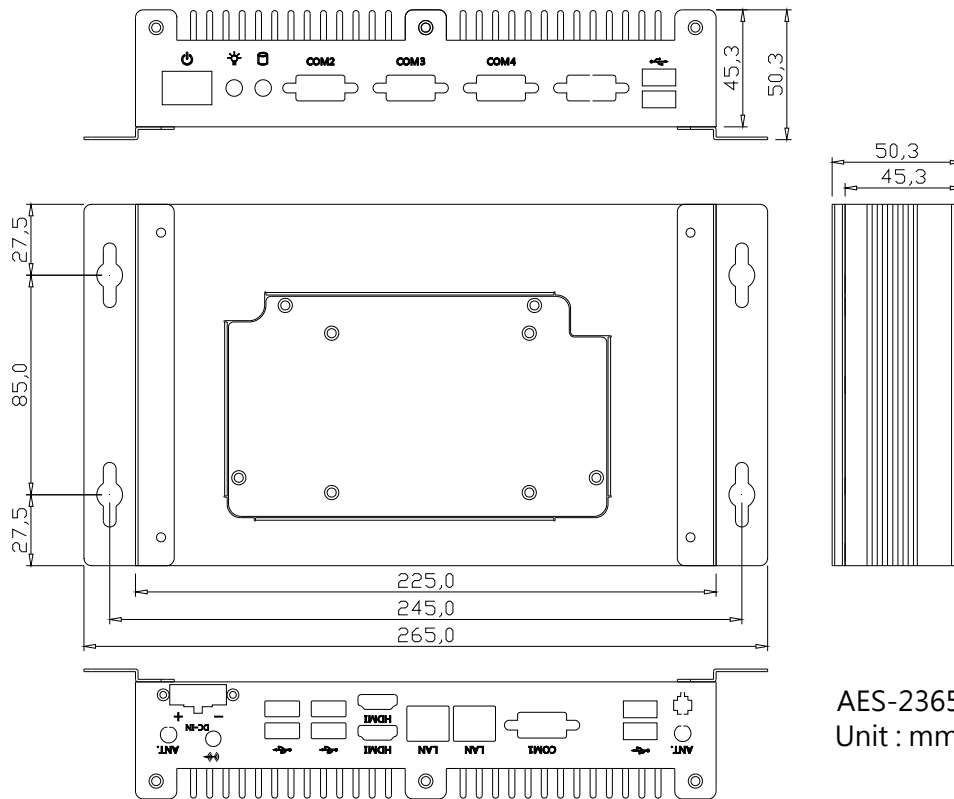
## Features

- Intel 11th Tiger Lake-U Core i3-1115G4E embedded CPU
- Core i5-1145G7E, i7-1185G7E CPU Max Turbo up to 4.4GHz
- Supports DDR4 2400MHz, 2xSO-DIMM, up to 64GB system memory
- Dual HDMI 2.0 port, max resolution up to 4096x2340 @60Hz
- 2x Gigabit Intel LAN, 4x USB 3.1(Gen2), 4x USB 2.0
- 4x COM, COM1/2/3/4 by RS-232/422/485
- Onboard M.2 M/E-Key, 1x Mini-PCIe, SIM card slot,
- Ultra-wide DC Input range 9-48V by 2-Pin phoenix connector
- Supports Microsoft Windows 10 IoT 64bit (Ent 2019 LTSC)

## Specifications

AES-2365 Series Key Features		AES-2365H-C4	AES-2365E-C4	AES-2365L-C4
Processor System	CPU Max. Speed	Max Turbo 4.4GHz	Max Turbo 4.1GHz	Up to 3.9GHz / 2.2GHz
	L2 Cache, Core/Thread	12MB, 4-Core / 8T	8MB, 4-Core / 8T	6MB, 2-Core / 4T
	CPU/ TDP 15W	i7-1185G7E	i5-1145G7E	i3-1115G4E
	BIOS	256Mb SPI MX25L25673GM21-08G		
Expansion Slot	Graphics Processor	Intel UHD Graphics 620		
	Mini-PCIe	1 x full-size Mini-PCIe with SIM slot		
	M.2 E-Key	1 x M.2 E-Key 2230(WiFi/BT)		
Memory	M.2 M-Key	1 x M.2 M-Key 2280 (PCIe 3.0 x 2/ SATA 3.0)		
	Specification (SO-DIMM)	2 x DDR4 2400MHz (2 x SO-DIMM, 32GB per SO-DIMM)		
	System Max. Capacity	64GB		
Graphics	HDMI	2 x HDMI 2.0 (max. resolution up to 4096x2340@60Hz)		
Ethernet	LAN Gigabit Controller	2 x LAN (1x Intel i211AT, 1x Intel i219V)		
Storage	M.2 M-Key	1 x M.2 M-Key 2280(PCI-E 3.0 x2/SATA 3.0)		
	SATA 3.0	1 x SATA 3.0 6Gb/s for 2.5" SATA HDD/SSD		
System Rear I/O	HDMI	2 x HDMI		
	Ethernet	2 x RJ45		
	USB Type A	4 x USB 3.1(Gen 2), 2 x USB 2.0		
	Audio	1 x Audio port (Line-out)		
	COM1 Port	1 x DB-9 (RS-485/422/232, Pin9 PII/+5/+12V selectable)		
	System Power Input	1 x 2-pin phoenix connector 9-36Vdc Input		
	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		
	COM2-4 Port	3 x DB9 (RS-232/422/485)		
	DB9	1 x DB9 for options		
Operation System	Win 10	Win 10 IoT 64-bit, Ent 2019 LTSC		
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	0°C ~50°C(32~140°F)		
	Air Flow condition	50°C -60°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 270mm(D) x 130mm(H)		
Weight	N.W / G.W.	Single packed: 2.5Kg / 3Kg		
Certifications	EMC	CE/FCC Class A		
	LVD, UL	N/A		

## Dimensions Outlook



AES-2365  
Unit : mm

## Ordering Information

Part Number	CPU	HDMI	GbE	USB 3.1	USB 2.0	COM	DDR4 RAM	M.2 M-Key	2.5" SATA SSD	60W PW
AES-2365L-C4-M0-H00P0	i3-1115G4E	2	2	4	4	4	Option	Option	Option	Option
AES-2365L-C4-M8-N12DP0	I3-1115G4E	2	2	4	4	4	8GB	128GB TLC	Option	Option
AES-2365E-C4-M0-H00P0	i5-1145G7E	2	2	4	2	4	Option	Option	Option	Option
AES-2365H-C4-M0-H00P0	i7-1185G7E	2	2	4	4	4	Option	Option	Option	Option

\*AES-2365 with Wi-Fi is only by request of MOQ.

## Optional Items

Part Number	Description
SODIMM-DDR4- 8GB / 16GB	204-Pin SODIMM DDR4-2133, 8GB / 16GB
SSD-S64L/S12L/S25L	2.5" SATA SSD MLC, 64GB/128GB/256GB
SSD-S64D/S12D/S25D/S51D	2.5" SATA SSD 3D-TLC, 64GB/128GB/256GB/512GB
M2-P12D/P25D/P51D(2280)	M.2 2280 PCIe2 NVMe 3D-TLC 128GB/256GB/512GB
M2-N64L/N12L/N25L(2280)	M.2 SATA3 2280 64GB/128GB/256GB MLC ( M-KEY)
M2-N64D/N12D/N25D/N51D(2280)	M.2 SATA3 2280 64GB/128GB/256GB/512GB 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