

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



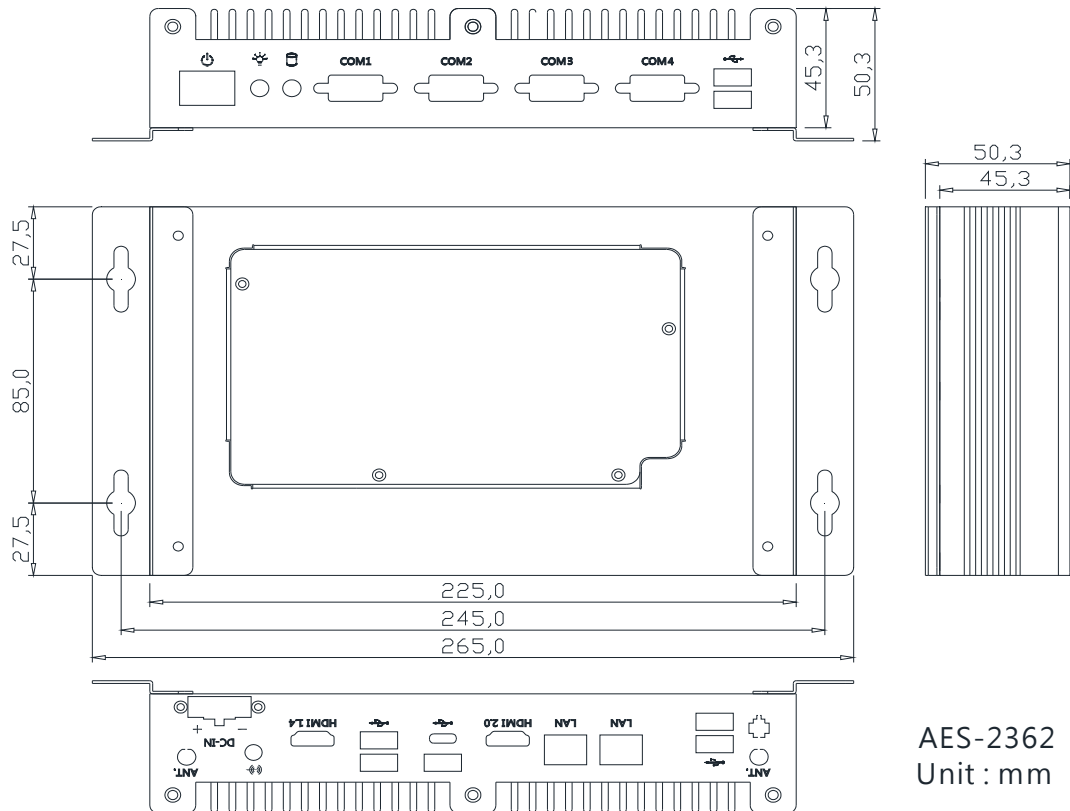
Features

- 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 |