



ARES-1230 Series

Fanless Embedded Controller with Intel® Bay Trail SoC Processor

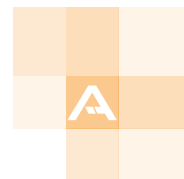


Features

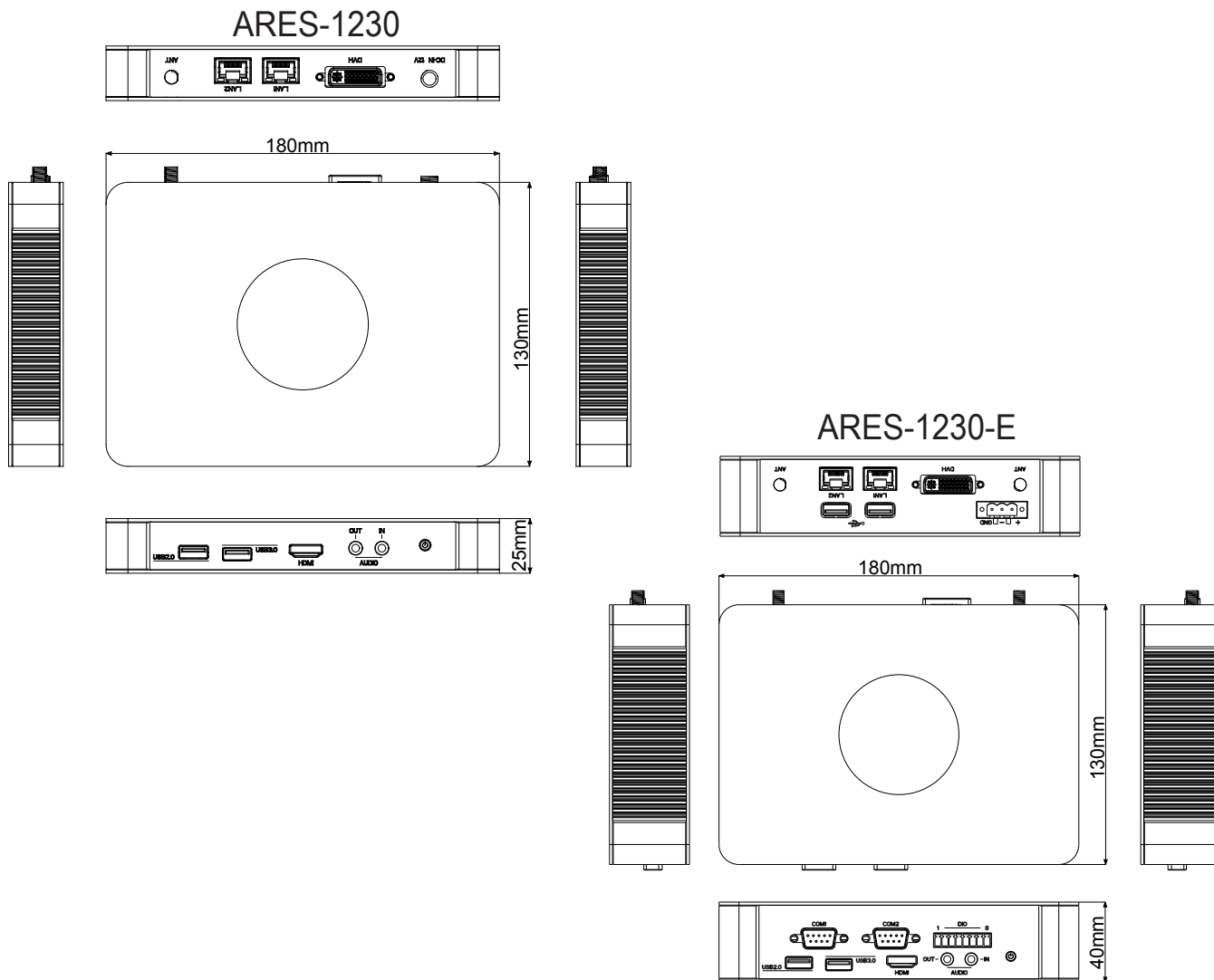
- Intel® Bay Trail SoC platform
- Fanless Design
- Ultra Low Profile Enclosure
- Expandable I/O Module
- 2 x Gbe Ethernet LANs Connectivity
- 1 x USB3.0 + 1 x USB2.0 Ports
- Expanded USB2.0 + COM + DIO (ARES-1230-E)

| System | |
|--------------------|--|
| CPU | Intel® Quad-Core Processor N2930 |
| Memory | 1 x SO-DIMM 204Pin modules supports up to 8GB DDR3L -1600MHz |
| Chipset | Intel® SoC |
| Graphics | Intel® HD Graphics |
| LAN Chipset | 2 x Intel® i210AT PCIe controller |
| Watchdog Timer | 1~255 levels reset |
| I/O | |
| Serial Port | 2 x RS-232/422/485 (DB9, Selectable) (ARES-1230-E) |
| USB Port | 1 x USB3.0 + 1 x USB2.0 ports (ARES-1230) 2 x additional USB2.0 ports (ARES-1230-E) |
| Video Port | 1 x DVI-I connector 1 x HDMI connector |
| D-IO | 4 x DI, 4 x DO (ARES-1230-E) |
| Expansion Bus | 1 x mSATA 1 x Full-Size mPCIe (PCIex1+USB2.0) 1 x Half-Size mPCIe (PCIex1 Lane only) |
| Environmental | |
| Operating Temp. | -20 ~ 70°C (-4 ~ 131°F), ambient with air flow |
| Storage Temp. | -40 ~ 70°C (-40 ~ 158°F) |
| Operating Humidity | 10 ~ 95% @ 70°C (non-condensing) |
| Vibration | 5~500Hz 3G rms X,Y,Z axis w/SSD, according to IEC 68-2-64 |
| Shock & Crash | 40G peak acceleration (11 m sec. duration), operation |
| | 60G peak acceleration (11 m sec. duration), non operation According to IEC 68-2-27 |

| Qualification | |
|--|---|
| Certification | CE, FCC Class A |
| Power Requirement | |
| Power Input | Standard : DC 12V Input (w/ DC-Jack) Extended : DC 9~36V Input (w/ 3-PIN Terminal Block) |
| Power Consumption | 15W |
| Storage | |
| Type | 1 x mSATA for SATA interface SSD Supports 600MB/s HDD transfer rate |
| Mechanical | |
| Construction | Aluminum alloy |
| Mounting | Wall-Mount |
| Weight | 770g (1.7lb) (ARES-1230) 900g (1.98lb) (ARES-1230-E) |
| Dimensions (W x D x H) | 180 (W) x 130 (D) x 25 (H) mm (Standard) 180 (W) x 130 (D) x 40 (H) mm (Extended) |
| OS Support | |
| Windows 7 / Windows 8.1 / Windows 7/8.1 Embedded | |
| Ordering Information | |
| ARES-1230 | ARES-1230 Intel® Quad-Core Processor N2930, barebone, 12V Input |
| ARES-1230-E | ARES-1230 Intel® Quad-Core Processor N2930, barebone, with extended I/O, 9~36V Input |



Dimensions



Optional Configuration (CTOS* Kit)

PAC-P060W-01 60W AC/DC Adapter Kit (ARES-1230)



PAC-P065W 19V/3.4A 65W AC/DC adapter kit (ARES-1230-E)



WiFi-AT2130 Atheros AR9462 WiFi module w/ 10cm & 20cm internal wiring



ANT-D11 1 x Wi-Fi Dual-band 2.4G/5G antenna



MM-3L-2G Industrial DDR3L-1333 2GB SO-DIMM SDRAM



MM-3L-4G Industrial DDR3L-1333 4GB SO-DIMM SDRAM



32GB SSD mSATA MLC 32GB



64GB SSD mSATA MLC 64GB



*CTOS means Configure-to-Order Service.