

# ARK-1122C

Intel® Atom™ Dual Core N2600 with  
4 COM Port Extendibility Fanless Box PC

**NEW**



WISE-PaaS/RMM



CE FCC



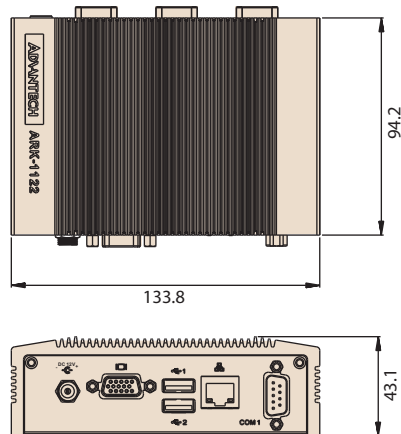
## Features

- Intel® Atom™ Dual Core N2600, 1.6 GHz
- Palm-size form factor : 133.8(W) x 43.1(H) x 94.2(D) mm
- Supports 4 x COM ports (2 x RS-232 & 2 x RS-232/422/485, select by BIOS)
- Supports 1 x VGA and 4 x USB 2.0 ports
- Built-in 1 x half size Mini PCIe expansion slot (i.e.: Wi-Fi module)
- Supports mSATA storage (Hard drive bay by request)
- Wide operating temperature -20 ~ 60° C support
- Optional VESA / DIN-Rail / Wall mounts
- Lockable DC jack design
- Supports SUSIAccess and Embedded Software APIs

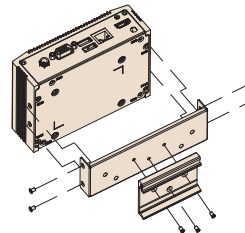
## Specifications

|                                  |                            | ARK-1122C-S6A1E  |
|----------------------------------|----------------------------|--|
| Processor System                 | CPU                        | Intel Atom Dual Core N2600 1.6 GHz   |
|                                  | L2 Cache                   | 1MB  |
|                                  | System Chipset             | Intel NM10   |
|                                  | BIOS                       | AMI EFI 16 Mbit  |
| Memory                           | Technology                 | DDR3 800 MHz, up to 4 GB   |
|                                  | Socket                     | 1 x 204-pin SO-DIMM  |
| Graphics                         | Chipset                    | Intel Atom N2600   |
|                                  | Interface                  | VGA (1920 x 1200)  |
| Ethernet                         | LAN                        | 1 x 10/100/1000 Mbps Intel 82583V GbE  |
| I/O Interface                    | Serial Ports               | 2 x RS-232, 2 x RS-232/422/485, selected by BIOS   |
|                                  | USB Interface              | 4 x USB ports, USB2.0 Compliant (Standard) or 2 x USB ports (Option 2.5" drive bay version)  |
| Other                            | Watchdog timer             | 255-level timer interval, setup by software  |
| Expansion                        | Others                     | 1 x half-size Mini PCIe supports WIFI only   |
| Storage                          | 2.5" HDD/SSD               | 1 x SATA II HDD bay (Optional by T-Part)   |
|                                  | mSATA                      | 1 x full-size Mini PCIe slot, colay with USB signal  |
| Software Support                 | Microsoft Windows          | Windows 7 Pro 32bit, WES7 32bit, XP Embedded (XP Embedded by project support)  |
| Power Requirement                | Power Input Voltage        | 12 V <sub>DC</sub> , ± 10%   |
|                                  | DC Jack Type               | Support lockable design  |
|                                  | Power Adaptor              | AC to DC, DC12 V/3 A, 36 W with lockable design  |
| Power Consumption                | Typical                    | 5.4 W  |
|                                  | Max                        | 9.47 W   |
| Mechanical                       | Construction               | Aluminum housing   |
|                                  | Mounting                   | Support VESA/DIN Rail/Wall mounting (Optional)   |
|                                  | Dimensions (W x H x D)     | 133.8 x 43.1 x 94.2 mm (5.27" x 1.7" x 3.71")  |
| Environmental and Certifications | Operating Temperature      | With standard temperature HDD/SSD/mSATA devices: 0 ~ 40° C with 0.7 m/s air flow<br>With extended temperature SSD/mSATA devices: -20 ~ 60° C with 0.7 m/s air flow |
|                                  | Storage Temperature        | -40 ~ 85° C  |
|                                  | Relative Humidity          | 95% @ 40° C (non-condensing)   |
|                                  | Vibration During Operation | With SSD/mSATA: 3Grms, IEC 60068-2-27, half sine, 11ms duration  |
|                                  | Shock During Operation     | With SSD/mSATA: 30Grms, IEC 60068-2-27, half sine, 11ms duration   |
|                                  | EMC                        | CE/FCC Class A, CCC, BSMI  |
| Safety Certifications            | CB, UL, CCC, BSMI          |  |

## Dimensions

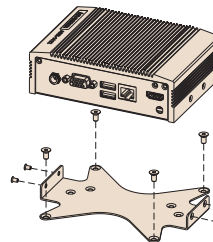


### DIN Rail

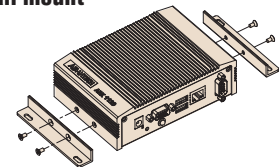


Unit: mm

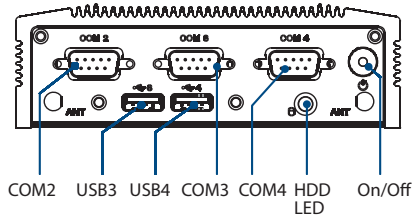
### VESA mount



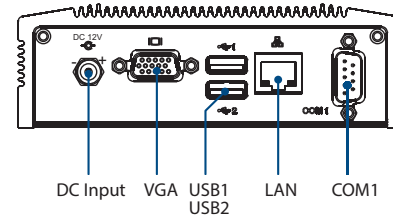
### Wall mount



## Front Panel External I/O Mechanical Layout/Drawing



## Rear Panel External I/O Mechanical Layout/Drawing



## Ordering Information

| Part Number     | Intel CPU         | RAM       | VGA | HDMI | Audio | GbE | 2.5" HDD bay     | mSATA Storage | USB 2.0  | RS-232 | RS-232/422/485 | Others                   | Operating Temp. |
|-----------------|-------------------|-----------|-----|------|-------|-----|------------------|---------------|--|--------|----------------|--------------------------|-----------------|
| ARK-1122C-S6A1E | Atom N2600 1.6GHz | Up to 4GB | 1   | N/A  | N/A   | 1   | Optional by T-PN | 1 (F/S)       | 4 (Standard) ; 2 (Option 2.5" HDD bay version) | 2      | 2              | 1x H/S mPCIe (WIFI only) | -20 ~ 60° C     |

Note: Memory, storage and operating system bundled by request.

## Packing List

| Part Number    | Description                                     |
|----------------|---|
| -              | 1 x ARK-1122 unit                               |
| -              | 1 x Driver/Utility CD/Manual                    |
| -              | 1 x Traditional Chinese user manual for CCC     |
| -              | 1 x China RoHS                                  |
| 96PSA-A36W12W7 | 1 x AC to DC adapter DC 12V/3A 36W, -20 ~ 60° C |

## Optional Items

| Part Number | Description                           |
|-------------|---------------------------------------|
| 1700001524  | Power Cable 3-pin 180cm, USA type     |
| 170203183C  | Power Cable 3-pin 180cm, Europe type  |
| 170203180A  | Power Cable 3-pin 180cm, UK type      |
| 1700008921  | Power Cable 3-pin PSE Mark 183cm      |
| AMK-V003E   | ARK-112X series VESA mounting kit     |
| AMK-R001E   | ARK-112X series DIN-rail mounting kit |
| AMK-W001E   | ARK-112X series Wall mounting kit     |

## Embedded OS

| Part Number | Description               |
|-------------|---------------------------|
| 2070011881  | WES7E 32bit for ARK-1122C |
| 2070012167  | XPE for ARK-1122C         |