

ARK-1122H

Intel® Atom™ Dual Core N2600 with Independent Dual Displays Fanless Box PC

NEW



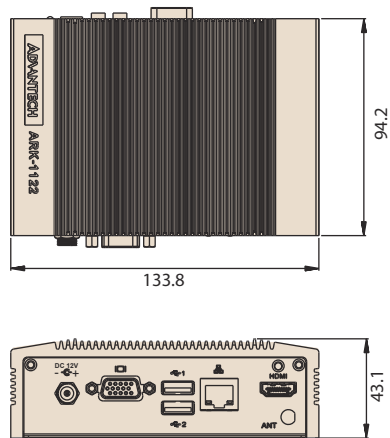
Features

- 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 independent dual displays interfaces : VGA + HDMI
- Supports 1 x GbE and 4 USB 2.0 ports
- Supports 1 x RS-232 and Audio line in / line out
- Built-in 1 x half size Mini PCIe expansion slot (i.e.: Wi-Fi module)
- Supports mSATA and/or 2.5" SATA HDD bay
- Wide operating temperature -20 ~ 60° C support
- Optional VESA / DIN-Rail / Wall mounts
- Lockable DC jack design
- IP40 sealed design
- Supports SUSIAccess and Embedded Software APIs

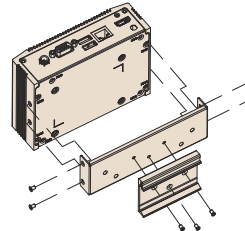
Specifications

| ARK-1122H-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) HDMI (1920 x 1200) with lockable design (please choose the lockable HDMI cable) |
| Ethernet | LAN | 1 x 10/100/1000 Mbps Intel 82583V GbE, supports wake on LAN |
| Audio | Chipset | Realtek ALC892, High Definition Audio (HD) |
| | Interface | Line-in and Line-out |
| I/O Interface | Serial Ports | 1 x RS-232 |
| | USB Interface | 4 x USB ports, USB2.0 Compliant |
| Other | Watchdog timer | 255-level timer interval, setup by software |
| Expansion | Mini PCIe | 1 x half-size Mini PCIe |
| | Storage | 2.5" HDD/SSD mSATA |
| Software Support | Microsoft Windows | Windows 7 Pro, WES7, XP Embedded (XP Embedded by project support) |
| | Power Input Voltage | 12 V _{DC} , ± 10% |
| | DC Jack Type | Support lockable design |
| Power Requirement | Power Adaptor | AC to DC, DC12 V/3 A, 36 W with lockable design |
| | Power Consumption | Typical Max |
| 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 extended temperature SSD/mSATA devices: -20 ~ 60° C |
| | Storage Temperature | -40 ~ 85° C |
| | Relative Humidity | 95% @ 40° C (non-condensing) |
| | Vibration During Operation | With SSD/mSATA: 3Grms, IEC 60068-2-64, random, 5 ~ 500 Hz, 1hr/axis |
| | 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

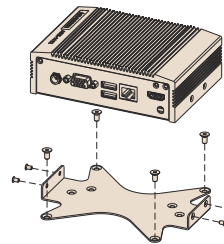


DIN Rail

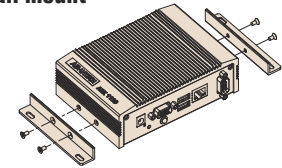


Unit: mm

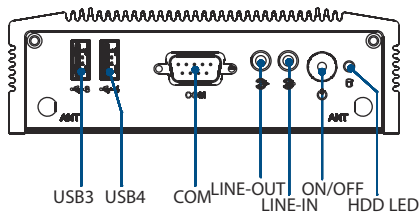
VESA mount



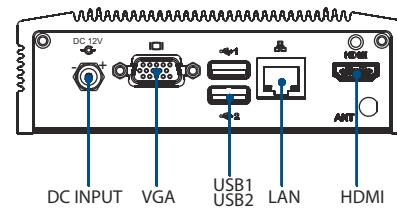
Wall mount



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 | MiniPCIe | Operating Temp. | OS |
|------------------|-------------------|--------------|-----|------|---------------------|-----|--------------------|---------------|---------|--------|----------------|-------------|-----------------|---------------|
| ARK-1122H-S6A1E | Atom N2600 1.6GHz | Up to 4GB | 1 | 1 | Line in Line out | 1 | 1 | 1 | 4 | 1 | N/A | 1 Half size | -20 ~ 60° C | - |
| ARK-1122HS-S6A1E | Atom N2600 1.6GHz | 2GB Built in | 1 | 1 | Line in Line out | 1 | 500GB HDD built in | 1 | 4 | 1 | N/A | 1 Half size | 0 ~ 40° C | WES7 Built-in |

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 |
| 1757004096-01 | 1 x AC to DC adapter DC12 V/3 A 36 W, 0 ~ 40° C with lockable design |

Embedded OS (Only available for T-Parts OEM, and CTOS service)

| Part Number | Description |
|-------------|--------------------------------|
| 2070011879 | WES7 for ARK-1122H & ARK-1122F |

Optional Items

| Part Number | Description |
|---------------|---|
| 1700001524 | Power Cable 3-pin 180cm, USA type (For power adapter 1757004096-01) |
| 170203183C | Power Cable 3-pin 180cm, Europe type (For power adapter 1757004096-01) |
| 170203180A | Power Cable 3-pin 180cm, UK type (For power adapter 1757004096-01) |
| 1700008921 | Power Cable 3-pin PSE Mark 183cm (For power adapter 1757004096-01) |
| 1757004522-01 | AC-to-DC Wide Temperature Adapter, DC 12V/3.33A 40W, -20° C ~ 70° C |
| 1702002600-01 | Power cable 3-pin 183 cm, USA type (For power adapter 1757004522-01) |
| 1700018705 | Power cable 3-pin 183 cm, Europe type (For power adapter 1757004522-01) |
| 1700018704 | Power cable 3-pin 183 cm, UK type (For power adapter 1757004522-01) |
| 1700000237-01 | Power cable 3-pin 183 cm, PSE type (For power adapter 1757004522-01) |
| 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 |