

ARK-1120

Ultra Slim and Price Competitive Intel® Atom™ N455 Fanless Embedded Box PC

NEW



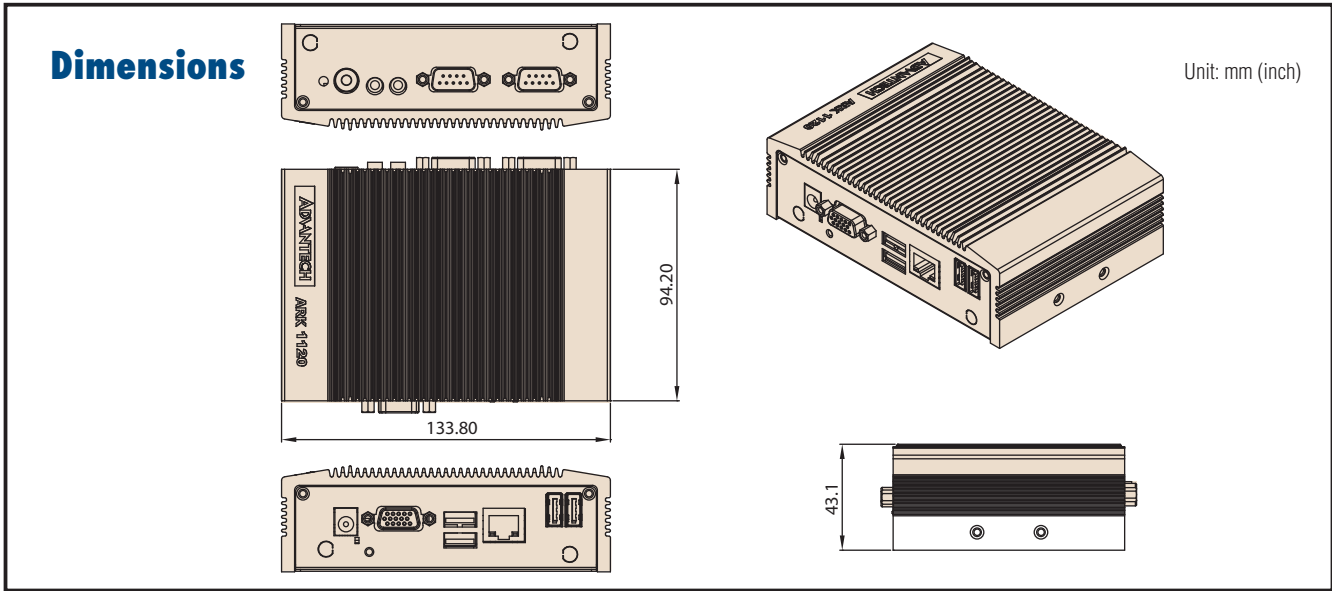
Features

- Intel® Atom™ processor N455 1.66 GHz + ICH8M, DDR3 memory support
- Palm-size design: 133.8 x 43.1 x 94.2 mm
- Supports 2.5" SATA HDD
- Low-power-consumption, total power consumption < 10W
- One half mini-PCIe socket expansion
- Supports SUSIAccess and Embedded Software APIs
- Fanless construction with VESA mount, IP40

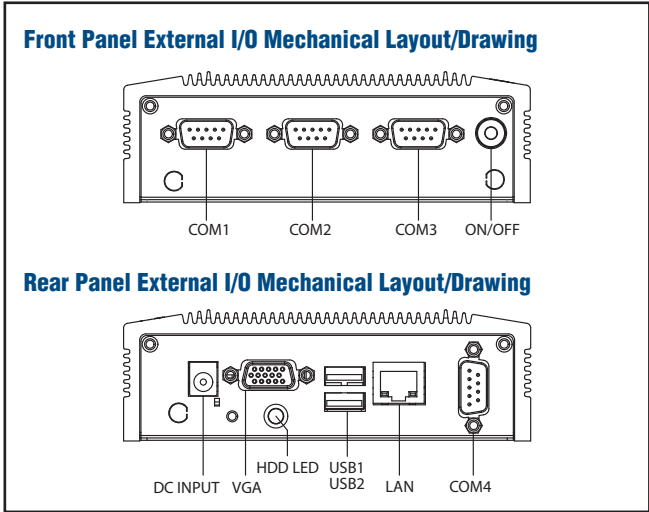


Specifications

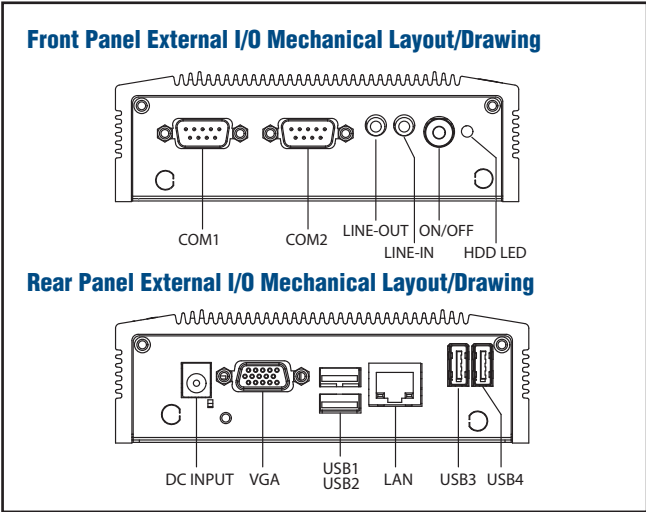
| | | ARK-1120L-N5A1E | ARK-1120F-N5A1E |
|----------------------------------|----------------------------|--|--|
| Processor System | CPU | Intel Atom processor N455 1.66 GHz | |
| | Max. Speed | 1.66 GHz | |
| | System Chipset | Intel ICH8-M | |
| | BIOS | AMI 16 Mbit Flash BIOS | |
| Memory | Technology | DDR3 up to 667 MHz | |
| | Max. Capacity | 2 GB | |
| | Socket | 1 x 204 pin SO-DIMM | |
| Graphics | Chipset | Intel ICH8-M | |
| | Interface | CRT interface, up to 1400 x 1050 (SXGA) | |
| Ethernet | LAN | 1 x 10/100/1000 Mbps Intel 82567V Ethernet controller, Support Wake on LAN | |
| | Interface | Line-out, Line-in | N/A |
| I/O Interface | Serial Ports | 2 x RS-232 | 2 x RS-232, 2 x RS-232/422/485 (by BIOS setting) |
| | USB Interface | 4 x USB ports, USB 2.0 Compliant | 2 x USB ports, USB 2.0 Compliant |
| Other | Watchdog timer | 255-level timer interval, setup by software | |
| Expansion | Mini PCIe | 1 x half-size Mini PCIe | |
| Storage | HDD | Support one drive bay space for SATA 2.5" HDD (support 9.5mm height only) | |
| | SSD | Supports CompactFlash socket for type I/II CompactFlash disk (only available for T-Parts and CTOS service) | |
| Software Support | Microsoft Windows | Windows 7, XP Professional, XP Embedded, WinCE 6.0 | |
| | Linux | Ubuntu | |
| Power Requirement | Power Type | ATX | |
| | Power Input Voltage | 12 V _{DC} | |
| | Minimum Power Input | 12 V, 1.5 A | |
| | Power Adaptor | AC to DC, DC12 V/3 A, 36 W | |
| Power Consumption | Typical | 9.12 W | |
| | Max | 10.80 W | |
| Mechanical | Construction | Aluminum housing | |
| | Mounting | Desk/Wall-mounting; VESA mounting | |
| | Dimensions (W x H x D) | 133.8 x 43.1 x 94.2 mm (5.27" x 1.70" x 3.71") | |
| | Weight | 0.7 kg (1.55 lb) | |
| Environmental and Certifications | Operating Temperature | 0 ~ 40° C (32 ~ 104° F) with 0.7m/s air flow and extend temperature HDD | |
| | Storage Temperature | -40 ~ 85° C (-40 ~ 185° F) | |
| | Relative Humidity | 95% @ 40° C (non-condensing) | |
| | Vibration During Operation | With CompactFlash disk: 3Grms, IEC 60068-2-64, random, 5 ~ 500 Hz, 1hr/axis. | |
| | Shock During Operation | With CompactFlash disk: 30Grms, IEC 60068-2-27, half sine, 11 ms duration | |
| | EMC | CE/FCC Class A, CCC, BSMI | |
| Safety Certifications | UL, CCC, BSMI | | |



ARK-1120F



ARK-1120L



Ordering Information

| Part No. | CPU | Memory (SO-DIMM) | VGA | GbE LAN | Audio | 2.5" SATAII | CF Card | USB2.0 | RS-232 | RS-232/422/485 | Half-Size Mini PCIe | Operating Temperature |
|-----------------|--------------------------|------------------|-----|---------|---------------------|-------------|---------|--------|--------|----------------|---------------------|-----------------------|
| ARK-1120L-N5A1E | Intel Atom N455 1.66 GHz | 1 | 1 | 1 | Line-in Line-out | 1 | 1 | 4 | 2 | No | 1 | 0-40° C |
| ARK-1120F-N5A1E | Intel Atom N455 1.66 GHz | 1 | 1 | 1 | No | 1 | 1 | 2 | 2 | 2 | 1 | 0-40° C |

Packing List

| Part Number | Description |
|----------------|---|
| - | 1 x ARK-1120 unit |
| - | 1 x Driver/Utility CD/manual |
| - | 1 x Traditional chinese user manual for CCC |
| - | 1 x China RoHS |
| 1960047289T001 | DC power adapter locker |
| 1757003553 | AC-to-DC Adapter DC12 V/3 A 36 W, with DC-Jack, 0 - 40° C for Home and Office Use |

Optional Items

| Part Number | Description |
|----------------|---------------------------------------|
| 1700001524 | Power Cable 3-pin 180 cm, USA type |
| 170203183C | Power Cable 3-pin 180 cm, Europe Type |
| 170203180A | Power Cable 3-pin 180 cm, UK Type |
| 1700008921 | Power Cable 3-pin PSE Mark 183cm |
| 1960052227N001 | ARK-1120 VESA/Desk mount bracket |

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

| Part Number | Description |
|-------------|------------------------|
| 2070010313 | XPE WES2009 V4.0 ENG |
| 2070010314 | XPE WES2009 V4.0 24MUL |
| 2070010919 | WES7E SP1 V5.1 ENG |