

ARK-1122F

Palm-size and Diversity Communications Intel® Atom™ N2800 Low Power Fanless Embedded Box PC

NEW



Features

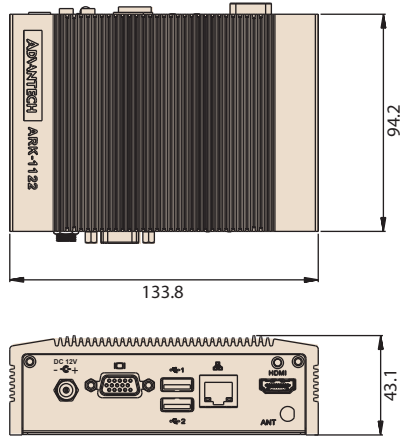
- Sealed construction with fanless design with Intel® Atom™ N2800, 1.86 GHz
- Palm-size form factor : 134 x 94 x 43 mm
- Supports 2 x GbE LAN
- Built-in 2 x Mini PCIe slots for WiFi/3G communications (1 slot w/SIM holder)
- Supports independent dual displays interfaces : VGA + HDMI
- Supports 1 x RS-232, 1 x line in / line out and 3 USB 2.0 ports
- Supports mSATA storage
- Wide operating temperature -20 ~ 60 C support
- Optional VESA / DIN-Rail / Wall mounts
- Optional SUSIAccess and embedded software API



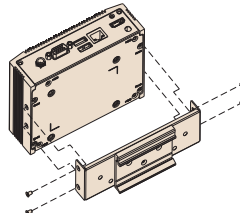
Specifications

ARK-1122F-S8A1E		
Processor System	CPU	Intel Atom DC N2800 1.86 GHz
	System Chipset	Intel NM10
	BIOS	AMI EFI 16 Mbit
Memory	Technology	DDR3 1066 MHz up to 4 GB
	Socket	1 x 204-pin SO-DIMM
Graphics	Chipset	Intel Atom N2800
	Interface	VGA (1920 x 1200) HDMI (1920 x 1200) with lockable design
Ethernet	LAN	2 x GbE Intel 82583V 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	3 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 1 x full-size Mini PCIe w/SIM Holder
	mSATA	1 x full-size Mini PCIe slot
Software Support	Microsoft Windows	Windows 7 Pro, WES7, XP Embedded
Power Requirement	Power Input Voltage	Supports single 12 V input, ± 10%
	DC Jack Type	Support lockable design
	Power Adaptor	AC to DC, DC12 V/3 A, 36 W with lockable design
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 mSATA devices: 0 ~ 40° C With extended temperature mSATA devices: -20 ~ 60° C
	Storage Temperature	-40 ~ 85° C
	Relative Humidity	95% @ 40° C (non-condensing)
	Vibration During Operation	With mSATA: 3Grms, IEC 60068-2-64, random, 5 ~ 500 Hz, 1hr/axis
	Shock During Operation	With mSATA: 30Grms, IEC 60068-2-27, half sine, 11ms duration
	EMC	CE/FCC Class A, CCC, BSMI
	Safety Certifications	CB, UL, CCC, BSMI

Dimensions

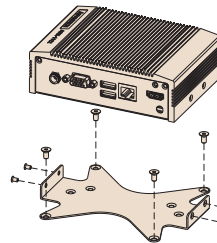


DIN Rail

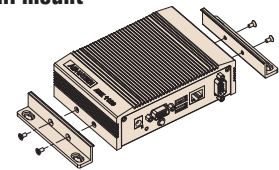


Unit: mm

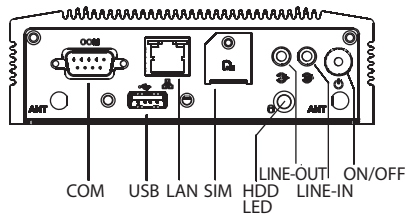
VESA mount



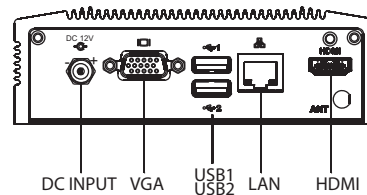
Wall mount



Front Panel External I/O Mechanical Layout/Drawing



Rear Panel External I/O Mechanical Layout/Drawing



ARK-1122 Product Ordering Information



ARK-1122F-S8A1E

- Intel Atom N2800 1.8GHz w/HDMI+3USB+2LAN

ARK-1122FS-S8A1E

- ARK-1122F-S8A1E
- 2G RAM+16G mSATA+WES7+SUSIAccess Pro



ARK-1122H-S6A1E

- Intel Atom N2600 1.6GHz w/HDMI+VGA+LAN

ARK-1122HS-S6A1E

- ARK-1122H-S6A1E
- 2G RAM+500G HDD+WES7+SUSIAccess Pro



ARK-1122C-S6A1E

- Intel Atom N2600 1.6GHz w/4COM+4USB+LAN

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
2070011881	WES7 for ARK-1122C

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 mount kits
AMK-R001E	ARK-112X series DIN Rail mount kits
AMK-W001E	ARK-112X series wall mount kits