

ARK-1122

Ultra Slim and Ultra Low Power Intel® Atom™ N2600 Fanless Embedded Box PC

Preliminary



Features

- Intel® Atom™ processor N2600 1.6 GHz
- Supports HDMI interface
- Palm-size design: 133.8 x 43.1 x 94.2 mm
- Supports 2.5" SATA HDD
- Low-power-consumption, chipset TDP is 5 watts
- One half mini-PCIe socket expansion
- Supports SUSIAccess and Embedded Software APIs
- Fanless construction with VESA mount, IP40

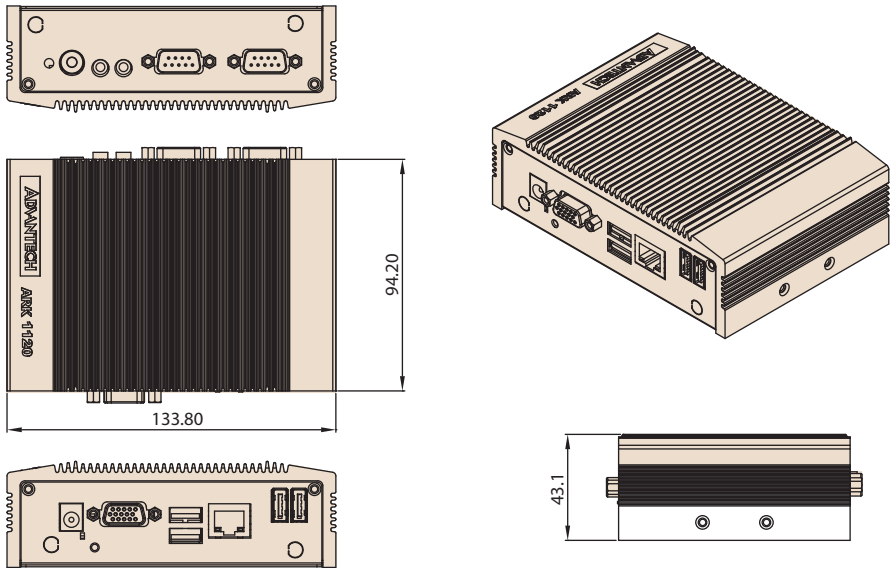


Specifications

		ARK-1122L-N6A1E	ARK-1122F-N6A1E
Processor System	CPU	Intel Atom dual core processor N2600 1.6 GHz	
	Max. Speed	1.6 GHz	
	System Chipset	Intel NM10	
	BIOS	AMI EFI 16 Mbit	
Memory	Technology	DDR3 800 MHz	
	Max. Capacity	4 GB	
	Socket	1 x 204-pin SO-DIMM	
Graphics	Chipset	Intel NM10	
	Interface	CRT interface, up to 1920 x 1200 HDMI	
Ethernet	LAN	1 x 10/100/1000 Mbps Intel 82583V Ethernet controller, Support Wake on LAN	
	Interface	Line-out, Line-in	N/A
I/O Interface	Serial Ports	1 x RS-232	1 x RS-232, 1 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	TBD	
	Max	TBD	
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		

Dimensions

Unit: mm (inch)



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
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

Ordering Information

Part Number	Description
ARK-1122L-N6A1E	Intel Atom N2600 1.6 GHz w/1 COM + 4 USB + 1 LAN + Audio
ARK-1122F-N6A1E	Intel Atom N2600 1.6 GHz w/2 COM + 2 USB + 1 LAN

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

Part Number	Description
	WinCE 7.0
	Win XPE
	WES 7