Chipsmall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

Contact us

ARK-1122C

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

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

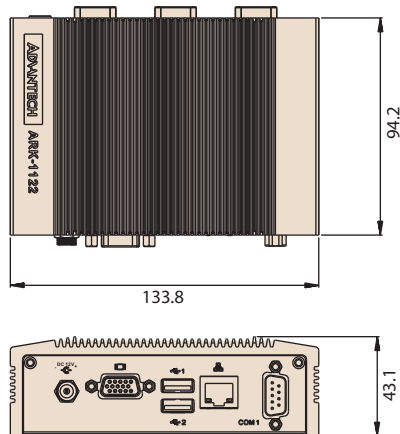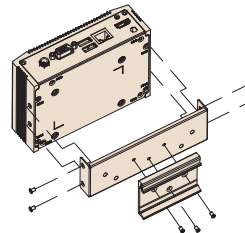Windows Embedded WISE-PaaS/RMM CCC CE FCC RoHS COMPLIANT 2002/95/EC

Specifications

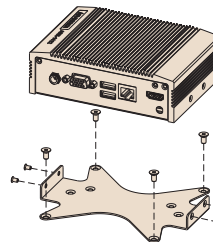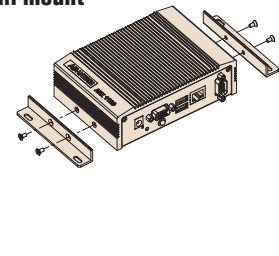|		ARK-1122C-S6A1E
Processor System	CPU	Intel Atom Dual Core N2600 1.6 GHz
	L2 Cache	1MB
	System Chipset	Intel NM10
	BIOS	AMI EFI 16 Mbit
Memory	Technology	DDR3 800 MHz, up to 4 GB
	Socket	1 x 204-pin SO-DIMM
Graphics	Chipset	Intel Atom N2600
	Interface	VGA (1920 x 1200)
Ethernet	LAN	1 x 10/100/1000 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_{DC}, ± 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 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

ADVANTECH   Fanless Embedded Box PCs

All product specifications are subject to change without notice.   Last updated: 25-Jul-2017

Dimensions

DIN Rail

Unit: mm

94.2

133.8

43.1

VESA mount

Wall mount

Front Panel External I/O Mechanical Layout/Drawing

COM2 USB3 USB4 COM3 COM4 HDD LED On/Off

Rear Panel External I/O Mechanical Layout/Drawing

DC Input VGA USB1 USB2 LAN COM1
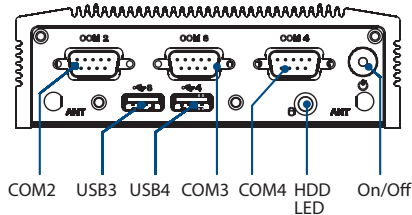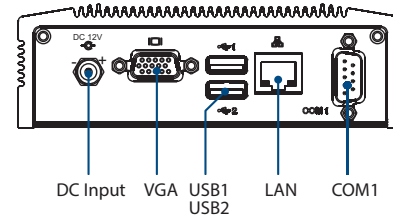
Ordering Information

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