

# ARK-1125C

**ENERGY STAR® Certified**  
**Palm Size Fanless Box PC with**  
**Intel® Atom® Processor x7211E**

**NEW**



## Features

- Energy Star Certified
- Intel® Atom® Processor x7211E Dual Core SoC
- DDR5-4800 SO-DIMM memory 16G
- Four Serial Ports
- M.2 E Key, B Key and M Key for storage and wireless module installation
- TPM on board for system security
- -30 ~ 60 °C extended operating temperature
- 12V lockable DC jack power input
- Advantech DeviceOn support

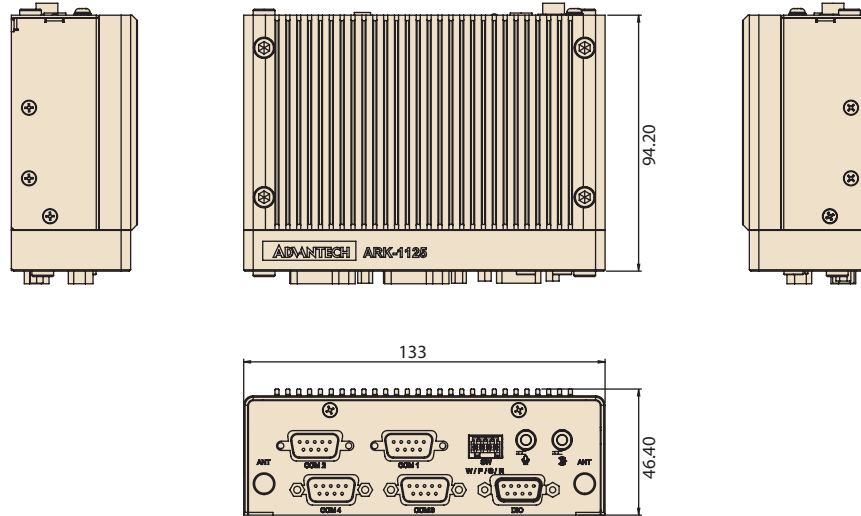


## Specifications

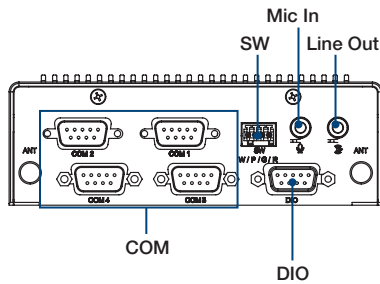
		ARK-1125C-EN1A1
Processor System	CPU	Intel® Atom® Processor x7211E
	Frequency	1.0GHz, Max Turbo Frequency up to 3.2GHz
	Core Number	2
	BIOS	AMI EFI 256 Mbit
Memory	Technology	DDR5 4800 MHz
	Capacity	16 GB Built-in
	Socket	1x 262-pin SO-DIMM
Graphic	Chipset	Intel® UHD Graphics
	HDMI	4096 x 2160@60Hz
Ethernet	LAN1	Intel i226-LM, 2.5GbE, support Wake On LAN
Audio	Interface	Realtek ALC888S, High Definition Audio, Mic-in and Line-out
I/O Interface	Serial Ports	4x RS232/422/485 (default RS-232) with auto flow control
	USB Ports	2x USB3.2, 2x USB2.0
	GPIO	8-bit Programmable DIO
Expansion	M.2	3x, 1x M.2 2230 E key (PCIe x1), 1x M.2 2280 B key with nano SIM holder (PCIe x1), 1x M.2 2242 M key (SATA, PCIe x1)
	TPM	SLB9672XU2.0 FW15.22
Storage	NVMe	M.2 2242 128G 3D TLC BiCS5 SSD built-in
Software Support	Microsoft Windows	Win 10 IoT 2021 LTSC buit-in
Power Requirement	Power Type	AT/ATX
	Power Input Voltage	12V <sub>DC</sub>
	Minimum Power Input	12V, 5A
	Power Adapter	AC to DC, DC12 V/5 A, 60 W with lockable DC Jack
Power Consumption	Typical (OS idle mode)	6.09 W
	Max (Full loading)	19.72 W
Mechanical	Construction	Aluminum housing
	Mounting	DIN-Rail/Wall/VESA Mounting Kits
	Dimensions (W x H x D)	133 x 46.4 x 94.2mm (5.24" x 1.83" x 3.71") without wall mount kit
	Weight	0.7 kgs
Environment	Operating Temperature	-30 ~ 60 °C (-22 ~ 140 °F) with 0.7m/s air flow
	Storage Temperature	-40 ~ 85 °C (-40 ~ 185°F)
	Relative Humidity	95% @ 40 °C (non-condensing)
	Vibration during Operation	3 Grms, IEC60068-2-64, random, 5~500 Hz, 1hr/axis (with Wall Mount)
	Shock during Operation	30 G, IEC-60068-2-27, half sine, 11 ms duration (with Wall Mount)
Certification	EMC	CE/FCC Class B, CCC, BSMI, UKCA
	Safety	CB, UL, CCC, BSMI, UKCA, Energy Star

## Dimensions

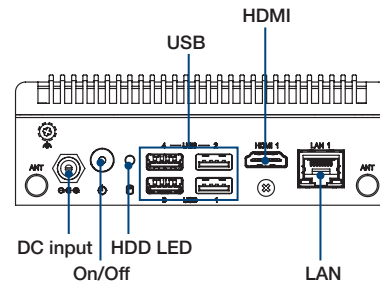
Unit: mm



### Front Panel External I/O Mechanical Layout/Drawing



### Rear Panel External I/O Mechanical Layout/Drawing



## Ordering Information

Part Number	CPU	RAM	Display	GbE	USB	RS-232/422/485	Audio	M.2	Power Input	Made In
ARK-1125C-EN1A1	Intel® Atom® Processor x7211E	16G	1x HDMI	1	2x USB 3.2, 2x USB 2.0	4	Mic-In, Line-Out	3	12V <sub>DC</sub>	China

## Packing List

Part Number	Description
-	1x ARK-1125C unit
-	1x User Manual (Simplified Chinese)
-	Wrench for top cover
1652007880-01	1 x 4-pin terminal block for switch
96PSA-A60W12W7-3	ADP A/D 100-240V 60W 12V C14 LOCKABLE DC PLUG 62368

## Optional Items

Part Number	Description
1702002600	Power cable 3-pin 183cm, USA type
1702002605	Power cable 3-pin 183cm, EU type
1702031801	Power cable 3-pin 183cm, UK type
1700000237	Power cable 3-pin 183cm, PSE type
1700001714	Power cable 3-pin 183cm, Taiwan BSMI
AMK-W001E	ARK-112X series Wall mounting kit
AMK-V003E	ARK-112X series VESA mounting kit
AMK-R001E	ARK-112X series DIN-rail mounting kit