

ARK-1370

Low Power Consumption with -40° C Operating Temperature



Features

- Fanless, ultra compact embedded box IPC
- Built-in AMD® Geode™ LX800, 500 MHz CPU
- Ultra Low power consumption solution
- Wide range power input 9 ~ 32V and supports min 6V cold cranking
- Comprehensive display, communication and connectivity
- Ultra compact size, VESA mounted, robust construction with fanless operation
- Windows® CE .NET & Windows® XP Embedded ready solution
- IP40

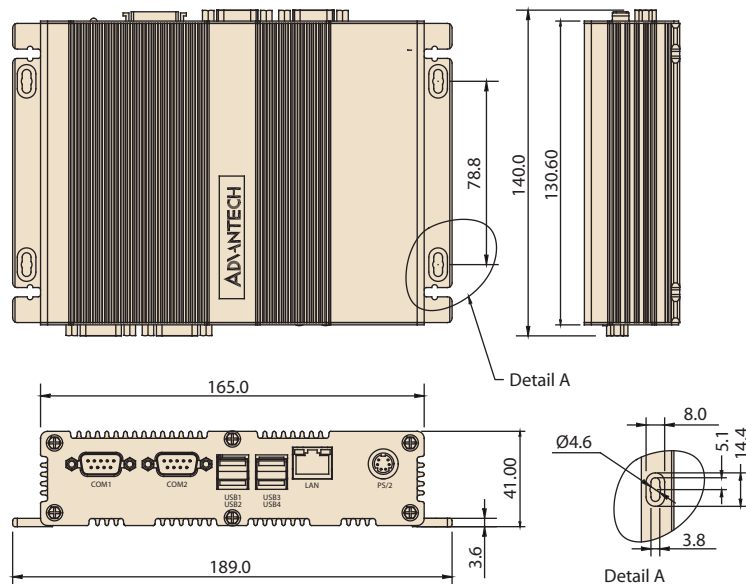


Specifications

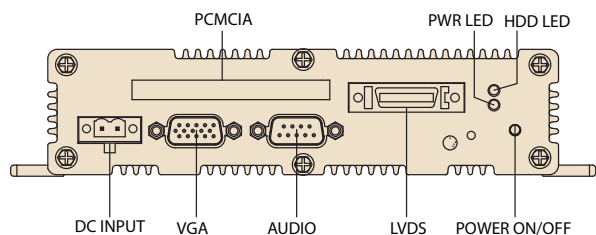
Processor System	CPU	AMD Geode LX800
	Max. Speed	500 MHz
	Front Side Bus	400 MHz FSB
	System Chipset	AMD Geode CS5536
	BIOS	AWARD 4 Mbit, FWH
Memory	Technology	DDR 333/400 MHz
	Max. Capacity	1 GB
	Socket	1 x 200-pin SODIMM
Graphics	Chipset	Built-in AMD® Geode™ LX800 processor
	Interface	CRT interface Single 18-bit LVDS interface
Ethernet	LAN	10/100 Mbps Ethernet controller, Supports Wake on LAN
Audio	Amplifier	Output 2.2 W Amplifier
	Interface	1 x D-sub 15-pin connector, Line-in, Spkr-out, Mic-in
I/O Interface	Serial Ports	2 x RS-232/422/485 ports by BIOS selectable
	USB Interface	4 x USB ports, USB 2.0 Compliant
	Keyboard/Mouse	1 x PS/2 port, Supports PS/2 Mouse and Keyboard
Other	Watchdog Timer	255 level timer interval, setup by software
Expansion	PC Card	1 Slot PC Card, Supports CardBus (Card-32) and 16-bit (PCMCIA 2.1/JEIDA4.2) cards 5 V and 3.3 V working power
Storage	HDD	-
	SSD	Supports CompactFlash socket for type I/II CompactFlash disk
Software Support	Microsoft Windows	XP Professional, 2000, XP Embedded, CE .NET 6.0
Power Requirement	Power Type	AT/ATX
	Power Input Voltage	9 V _{DC} ~ 32 V _{DC}
	Minimum Power Input	9 V @ 3 A, 12 V @ 2.4 A, 19 V @ 1.5 A, 35 V @ 0.8 A
	Power Adapter	AC to DC, DC19 V/3.42 A, 65 W
Power Consumption	Typical	9.2 W
	Max	10.7 W
Mechanical	Construction	Aluminum housing
	Mounting	DIN-rail mounting; Desk/wall-mounting; VESA mounting
	Dimensions (W x H x D)	189 x 41 x 130.6 mm (7.44" x 1.61" x 5.14")
	Weight	1.15 kg (2.53 lb)
Environment	Operating Temperature	-40 ~ 60° C (-40 ~ 140° F)
	Storage Temperature	-40 ~ 85° C (-40 ~ 185° F)
	Relative Humidity	95% @ 40° C (non-condensing)
	Vibration During Operation	With CompactFlash disk: 5 Grms, IEC 60068-2-64, random, 5 ~ 500 Hz, 1 Oct./min, 1hr/axis
	Shock During Operation	With CompactFlash disk: 50 Grms, IEC 60068-2-27, half sine, 11 ms duration
	EMC	CE/FCC Class A, CCC, BSMI
	Safety Certifications	UL, CCC, BSMI
	Vehicle Certification	ISO-7637-2

Dimensions

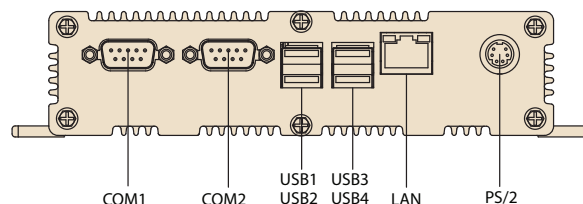
Unit: mm



Front Panel External I/O Mechanical Layout/Drawing



Rear Panel External I/O Mechanical Layout/Drawing



Packing List

Part Number	Description
-	1 x ARK-1370 unit
1700001394	1 x 2-Pole Phoenix to DC-Jack Power Cable
1700006011	1 x DB-9 Male to Mic-In, Line-out, Line-in Audio Cable
	1 x Driver/Utility CD/Manual
	1 x Traditional Chinese user manual for CCC
	1 x China RoHS

Optional Items

Part Number	Description
1757000222	AC-to-DC Adapter DC19 V/3.42 A 65 W, with Phoenix Power Plug, 0 ~ 40° C for Home and Office Use
1700001947	Power Cable 2-pin 180 cm, USA type
1700001948	Power Cable 2-pin 180 cm, Europe Type
1700001949	Power Cable 2-pin 180 cm, UK Type
1700002141	Power Cable 2-pin PSE Mark 183 cm
9666K10000E	DIN-rail Mounting Kit
9666K10001E	VESA Mounting plate
1700060202	PS2 Keyboard/Mouse Cable

Ordering Information

Part Number	Description
ARK-1370-1J0A2E	AMD Geode LX800 Ultra-compact embedded box IPC
ARK-1370-2J0A2E	ARK-1370-1J0A2E with 512 MB DDR SDRAM, 1 GB CompactFlash Disk, pre-installed Windows XP Embedded FP2007 OS Image and License

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

Part Number	Description
2070005333	ARK-1370 XPe V3.01-2, English, Chinese-Traditional, Chinese-Simplified, Japanese
2070005334	ARK-1370 XPe V3.01-2, English, French, German, Italian, Spanish
2070001120	CE50 Pro Plus ARK-1370 V1.2 ENG
2070001122	CE60 Pro ARK-1370 V1.0 ENG