

ARK-1370

AMD® Geode™ LX800 Ultra-compact System



Features

- Built-in AMD® Geode™ LX800, 500 MHz CPU
- Two RS-232/422/485 serial ports and four USB ports
- One PC Card slot for PCMCIA or Card Bus card
- Comprehensive display, communication and connectivity
- Ultra compact size, VESA mounted, robust construction with fanless operation
- Windows® CE .NET & Windows® XP Embedded ready solution

Specifications

Processor System	CPU	Embedded AMD Geode LX800-500 MHz
	System Chipset	AMD Geode CS5536 companion
	BIOS	Award 4-Mbit Flash BIOS
	System Memory	1 x 200-pin SODIMM Socket supports DDR SDRAM up to 1 GB
Graphics	Chipset	Built-in AMD Geode LX800 processor
	Memory	Up to 64 MB frame buffer using system memory
	Interface	CRT interface Single-channel 18-bit LVDS interface
Ethernet	Controller	Intel 82551QM 10/100Base-T Ethernet controller
	Interface	1 x RJ45
Audio	Interface	1 x D-sub 15-pin connector, Line-in, Line-out, Mic-in.
Others	Watchdog Timer	255 level timer interval, setup by software
	Keyboard/Mouse	1 x mini-DIN connector (1 x keyboard/mouse)
	Serial Ports	2 x RS-232/422/485 ports by BIOS selectable
	Parallel Port	-
	USB 2.0 Ports	4
Expansion Slot	PCI	-
	Mini PCI	-
PC Card	Interface	1 x built-in PC Card slot that supports CardBus (Card-32) and 16-bit (PCMCIA 2.1/JEIDA4.2) cards 5 V and 3.3 V working power
Storage Drive Bay	SSD	1 x CompactFlash socket for Type I/II CompactFlash disk
Power	Power Consumption	Typical: 9.2 W
	Input Voltage	Supports 9 V _{DC} ~ 35 V _{DC} , ATX Max Power Input: 9 V _{DC} /3 A, 12 V _{DC} /2.4 A, 16 V _{DC} /1.75 A, 19 V _{DC} /1.5 A, 24 V _{DC} /1.2 A, 35 V _{DC} /0.8 A
Software Support	Windows XP Embedded, Windows CE .NET 6.0	
Environment	Operating Temperature	With Industrial Grade Compact Flash Disk only: -40 to 60° C
	Relative Humidity	95% @ 40° C
	Vibration During Operation	With CompactFlash disk: 5Grms, IEC 60068-2-64, random, 5 ~ 500 Hz, 1 Oct./min, 1hr/axis.
	Shock During Operation	With CompactFlash disk: 50Grms, IEC 60068-2-27, half sine, 11 ms duration
	Safety	CE, UL, CCC, BSMI
Mechanical	EMC	CE/FCC Class A, CCC, BSMI
	Construction	Aluminum housing
	Mounting	VESA mounting Din-Rail mounting Desk/Wall mounting
	Dimensions (W x H x D)	189 x 41 x 137.8 mm (7.44" x 1.61" x 5.42")
	Weight	1.15 kg (2.53 lb)

Computer On Modules **1**

Embedded Single Board Computers **2**

Compact Embedded Computers **3**

Pre-configured Systems **4**

Industrial Motherboards **5**

Slot Single Board Computers **6**

Industrial Computer Chassis **7**

Industrial Computer Peripherals **8**

Panel PCs **9**

Display Solutions **10**

Digital Video Solutions **11**

Vehicle Mounted Computers **12**

Portable Computers **13**

M2M Modules **14**

Embedded Software Services **15**