



Features

- ✓ Support AMD Geode LX 800
- ✓ 1 x SO-DIMM socket Support
DDR SDRAM up to 1GB
- ✓ VGA/LVDS
- ✓ PCI-104 Interface
- ✓ COM, USB2.0, IDE, CFII, Audio

Specification

System

CPU	Onboard Ultra Low Power AMD Geode LX800
Chipset	AMD LX 800 + CS5536
Front Side Bus	500MHz
Memory	<ul style="list-style-type: none"> • 1 x 200-pin SO-DIMM socket support 200MHz DDR SDRAM up to 1GB • 512MB pre-installed

Video

Graphic Controller	AMD Geode LX integrated video controller
Video Memory	-
Video Interface	<ul style="list-style-type: none"> • 1 x VGA port (DB15) • 1 x 18-bit LVDS port

Storage

IDE	1 x E-IDE
SATA	-
CF	1 x External Compact Flash Type I socket
Disk Bay	1 x Anti-shock 2.5" HDD/SSD bracket

Communication

Ethernet	1 x 100Mbps RJ45 with LED, Realtek RTL8100C
USB	4 x USB2.0 (4 x external port)
Serial Port	<ul style="list-style-type: none"> • 1 x RS-232/422/485 (DB9) (jumper-selectable) • 3 x RS-232 (DB9) • Automatic RS-485 data flow control

Expansion

PCI Slot	1 x PCI-104
PCI Express Slot	-
miniPCIe	-

Other Feature

PS/2	1 x PS/2
Audio	Line-Out
Hardware	<ul style="list-style-type: none"> • CPU voltage
Monitoring	<ul style="list-style-type: none"> • CPU and system temperature
WatchDog Timer	Software programmable 1~63 sec.
Indicator	HDD and Power LED
GPIO	8-bit Digital I/O

Power Requirement

Power Input	12 (+/-5%) VDC, Lockable DC jack
Power Adaptor	90~264VAC, 60W power adaptor

Software

OS Support	Windows XP/XP Embedded/CE, Linux
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Mechanical & Environment

Thermal Design	Fanless
Chassis Material	Aluminum + Metal
Dimension (W x D x H)	250mm x 117mm x 59mm (9.85" x 4.61" x 2.33")
Operating Temp.	0~45°C (32~113°F)
Storage Temp.	-20~80°C (-4~176°F)
Relative Humidity	0 to 90% @ 40°C, non-condensing
Safety	CE, FCC class A

Packing List

- 1 x AR-ES0631
- 1 x Quick user guide
- 1 x Utility CD
- 512MB memory pre-installed
- 1 x 2.5" anti-shock HDD mounting kit
- 1 x HDD cable (44-pin)
- 1 x PS/2 keyboard and mouse cable
- 1 x Power adapter
- 1 x AC power cord (Optional for USA/EU/UK type)
- 2 x Mounting bracket

Ordering Information

AR-ES0631-G	AR-ES0631 with AMD LX 800, 512MB DDR and power adaptor
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