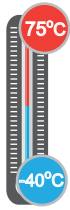


AR-ES0631ET

Fanless Embedded System with AMD LX 800, Extended Temperature Solution, 4 x COM, 4 x USB 2.0



Extended Temp.



Features

- Support AMD Geode LX 800
- Fanless and Extended Temp. Design
- 1 x SO-DIMM Socket Support
DDR SDRAM up to 1GB
- VGA/LVDS
- PCI-104 Interface
- Audio, USB 2.0, IDE, CFII, COM,
10/100 LAN



Specification

System

CPU	Onboard Ultra Low Power AMD Geode LX 800
Chipset	AMD LX 800 + CS5536
Front Side Bus	500MHz
Memory	<ul style="list-style-type: none"> ● 1 x 200-pin SO-DIMM socket support 166MHz DDR SDRAM up to 1GB ● 512MB pre-installed

Video

Graphic Controller	AMD Geode LX Integrated video controller
Video Interface	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 USB 2.0 (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

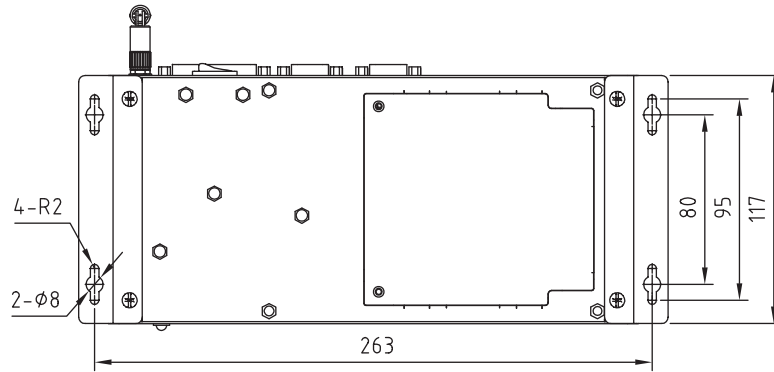
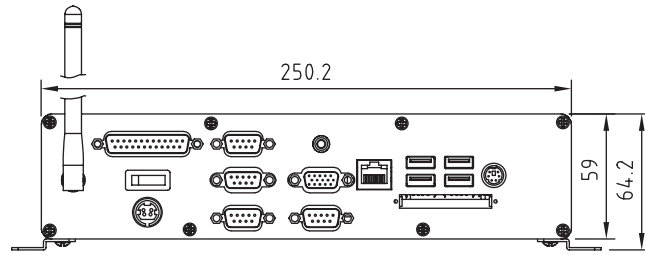
Power Input	12 (+/-5%) VDC, Lockable DC jack
Power Adaptor	90~264VAC, DC power adaptor

Software

OS Support	Windows XP/XP Embedded/CE, Linux
-------------------	----------------------------------

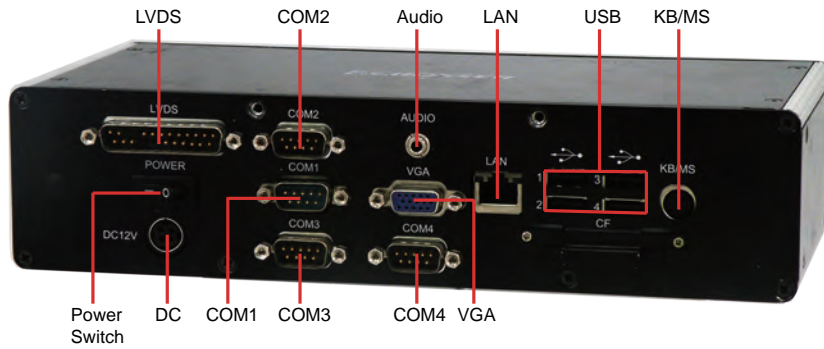
Mechanical & Environment

Thermal Design	Fanless
Chassis Material	Aluminum + Metal
Dimension (W x D x H)	250mm x 117mm x 59mm (9.84" x 4.61" x 2.32") 278mm x 117mm x 67mm (10.94" x 4.61" x 2.64", with bracket)
Weight	Net: 678g (1.5Lb)
Operating Temp.	-40~75°C (-40~167°F) for CF only
Storage Temp.	-40~80°C (-40~176°F)
Relative Humidity	5 to 60% @ 75°C, non-condensing
Safety	CE, FCC class A



Extended Temp.

 I/O Connectors



Packing List

- 1 x AR-ES0631ET
- 512MB memory pre-installed
- 1 x PS/2 keyboard and mouse cable
- 1 x 2.5" anti-shock HDD mounting kit
- 1 x Quick user manual
- 1 x Driver CD
- 2 x Mounting bracket
- 1 x AR-B9427 quick manual
- 4 x Screws for mounting bracket

Ordering Information

**AR-ES0631ET
Accessory**

AR-ES0631ET with AMD LX 800 and 512MB DDR

- 1 x LPT cable
- 1 x Power cord (Optional for USA/EU type)
- 1 x 90-260V AC to DC power adapter