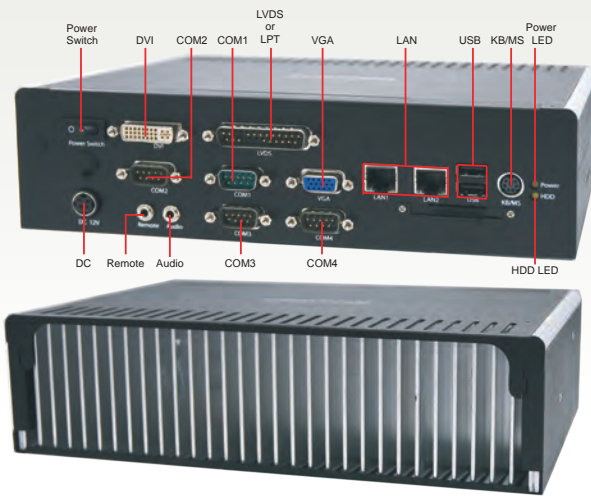


## AR-ES7230FL

Fanless and Dustproof AMD Turion 64 X2/Sempron  
Embedded System

## Features

- ✓ AMD M690E & SB600 Chipset
- ✓ AMD Socket S1 Support Turion 64 X2 /Sempron
- ✓ VGA/DVI/LVDS
- ✓ Full Direct X 9.0 and Shader Model 2.0 Support
- ✓ Dual Giga LAN
- ✓ Hardware Acceleration for H.264 playback

## Specification

## System

<b>CPU</b>	AMD socket S1 support AMD Turion 64 X2/Sempron
<b>Chipset</b>	AMD M690E + AMD SB600
<b>Front Side Bus</b>	200/400/600/800/1000MHz Hyper Transport (HT)
<b>Memory</b>	<ul style="list-style-type: none"> <li>• 1 x 200-pin SO-DIMM socket support 400/533/667MHz DDR2 SDRAM up to 2GB</li> <li>• 1GB pre-installed</li> </ul>

## Video

<b>Graphic Controller</b>	AMD M690E Integrated graphic processor
<b>Video Memory</b>	-
<b>Video Interface</b>	<ul style="list-style-type: none"> <li>• 1 x VGA port (DB15)</li> <li>• 1 x DVI port</li> <li>• 1 x Dual Channel 24-bit LVDS port</li> </ul>

## Storage

<b>IDE</b>	1 x IDE (44-pin)
<b>SATA</b>	1 x SATA I port
<b>CF</b>	1 x External Compact Flash Type I/II slot
<b>Disk Bay</b>	1 x Anti-shock 2.5" HDD/SSD bracket

## Communication

<b>Ethernet</b>	2 x Gbps RJ45 with LED, Broadcom BCM5787
<b>USB</b>	6 x USB2.0 (2 x external port, 4 x pin header)
<b>Serial Port</b>	<ul style="list-style-type: none"> <li>• 1 x RS-232/422/485 (DB9) (jumper-selectable)</li> <li>• 3 x RS-232 (DB9)</li> <li>• Automatic RS-485 data flow control</li> </ul>

## Expansion

<b>PCI Slot</b>	1 x PCI-104
<b>PCI Express Slot</b>	-
<b>miniPCle</b>	-

## Other Feature

<b>PS/2</b>	1 x PS/2
<b>Audio</b>	Line -Out
<b>Hardware</b>	<ul style="list-style-type: none"> <li>• CPU voltage</li> </ul>
<b>Monitoring</b>	<ul style="list-style-type: none"> <li>• CPU and system temperature</li> </ul>
<b>WatchDog Timer</b>	Software programmable 1~255 sec.
<b>Indicator</b>	HDD and Power LED
<b>GPIO</b>	8-bit Digital I/O

## Power Requirement

<b>Power Input</b>	12 (+/-5%) VDC, Lockable DC jack
<b>Power Adaptor</b>	100~240VAC, 60W power adaptor
<b>Power Consumption</b>	57.6W without external devices, 4.8A@12V

## Software

<b>OS Support</b>	Windows Vista/XP/XP Embedded/CE, Linux
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## Mechanical &amp; Environment

<b>Thermal Design</b>	Fanless
<b>Chassis Material</b>	Aluminum
<b>Dimension (W x D x H)</b>	251mm x 165mm x 67mm (9.89" x 6.50" x 2.64")
<b>Operating Temp.</b>	0~50°C (32~122°F)
<b>Storage Temp.</b>	-20~60°C (-4~140°F)
<b>Safety</b>	CE, FCC class A

## Packing List

- 1 x AR-ES7230FL
- 1 x Quick user guide
- 1 x Utility CD
- 1GB 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 60W power adapter
- 2 x Mounting bracket
- 1 x Screw pack
- 2 x SATA cable

## Ordering Information

<b>AR-ES7230FLTL62</b>	AR-ES7230FL with AMD Turion 64 X2 TL6200 2.10GHz, 1GB DDR2 and 60W power adapter
<b>AR-ES7230FLTL56</b>	AR-ES7230FL with AMD Turion 64 X2 TL5600 1.80GHz, 1GB DDR2 and 60W power adapter
<b>AR-ES7230FLSM37</b>	AR-ES7230FL with AMD Sempron M 3700+ 2.0GHz, 1GB DDR2 and 60W power adapter