

# ARK-6610-2M01S

Compact Pentium® 4  
Mini-ITX System with  
Front I/O & PCI Slot

NEW



## Features

- **Compact with Unlimited Expandability**
  - Support for one full-height PCI expansion board
  - Front I/O design, with extra cutouts for 5 x COM, 2 x DVI/LVDS, 1 x S-Video, 2 x USB and WLAN Antenna
  - Shock-resistant drive bay for one slim optical drive and one 3.5" HDD
- **Innovative Industrial Design**
  - Easy-to-maintain system fan and reusable filter design
  - Power cord hook to keep PSU power cord in place
  - Front LED indicators for system fault detection



## Specifications

Form Factor	Desktop/Wallmount	
Computing System	Chipset	Intel 852GME + ICH4
	CPU	Supports Intel Pentium 4 and Celeron processor up to 2.8 GHz
	Front Side Bus	400 / 533 MHz
	L2 Cache	256 / 512 KB
	Memory	DDR 266/333 MHz SDRAM up to 1 GB
Graphics	Controller	Intel 852GME Integrated
	VRAM	Dynamically shared system memory up to 64 MB
Expansion Slot	PCI	1 x 32-bit
	Mini-PCI	1
Storage	Optical Drive (support)	Slim DVD-ROM / CD-RW / CD-ROM
	HDD (support)	IDE
Drive Bay	Slim ODD Bay	1
	3.5" (internal)	1
Ethernet	Interface	10/100 Base-T Fast Ethernet
	Controller	Realtek RTL8100C x 2
Front I/O Ports	USB	4
	PS/2	2
	COM	1 + 5 (available thru extra cutouts)
	Parallel	1
	RJ-45	2
	Audio	3 (Mic-in, Line-in, Line-out)
	VGA	1
Operating System	Reserved Cutouts: 2 x USB, 1 x COM, 1 x DVI/LVDS, 1 x S/C-Video, 1 x WLAN Antenna Microsoft Windows XP	
Watchdog Timer	Output	System Reset
	Interval	Programmable 1 ~ 255 sec
Power Supply	Power Output Wattage	AC 180 W
	Type	AC 100 ~ 240 V
Cooling	Chassis Fan	1
	Air Filter	Yes
Miscellaneous	Overheating Protection	System shut-down when over-heated
	LED Indicators	Power, HDD, Temperature
	Control	Power On/Off switch
Environment	Temperature	Operating: 0 ~ 40° C (32 ~ 104° F) Non-Operating: -20 ~ 60° C (-4 ~ 140° F)
	Humidity	10 ~ 85% @ 40° C non-condensing 10 ~ 95% @ 40° C non-condensing
Physical Characteristics	Dimensions (W x H x D)	250 x 156 x 253 mm (9.8" x 6.1" x 10.0")
	Weight	4.8 kg (10.5 lb)

### Dimensions

Unit: mm (inch)

Technical drawings of the ARK-6610-2M01S chassis showing front, top, and side views with dimensions:

- Front view: 156 [6.1"] width, 250 [9.8"] height
- Top view: 253 [10.0"] width
- Side view: 275.8 [10.9"] depth, 299.98 [11.8"] total depth

### Installation

Unit: mm (inch)

Technical drawings of the ARK-6610-2M01S chassis showing installation details and a 3D perspective view:

- Installation view: 174 [6.9"] height, 134 [5.3"] width, 275.8 [10.9"] depth, 299.98 [11.8"] total depth
- 3D perspective view showing the chassis with its feet and mounting brackets.

### Ordering Information

Please visit Advantech CTOS portal for order entry.  
<http://www.advantech.com/ctos>

### System Content

Item	Part Number
Chassis	ARK-6610-18ZE
Motherboard	AIMB-240F-00A1E

### Power Cord Options

Part Number	Descriptions
1702002600	Power cord 125V/10A 1.8m, USA
1702002605	Power cord 250V/6A 1.8m, Europe
1702031801	Power cord 250V/5A 1.8m, UK
1702002605	Power cord 125V/12A 1.8m, Japan

Various cutouts:  
 5 x COM,  
 2 x DVI/LVDS,  
 1 x S/C-video,  
 2 x USB

Mini-ITX motherboard

Power switch  
 HDD LED  
 Temp. LED

One expansion slot

1U 180 W power supply with power cord hook

System fan with filter

System vents

System fan with filter

AC 180 W PSU

Shockproof disk drive housing for one 3.5" HDD and one slim-type optical drive