

# ECK-3699G

KINO Series MINI-ITX High Performance Embedded System



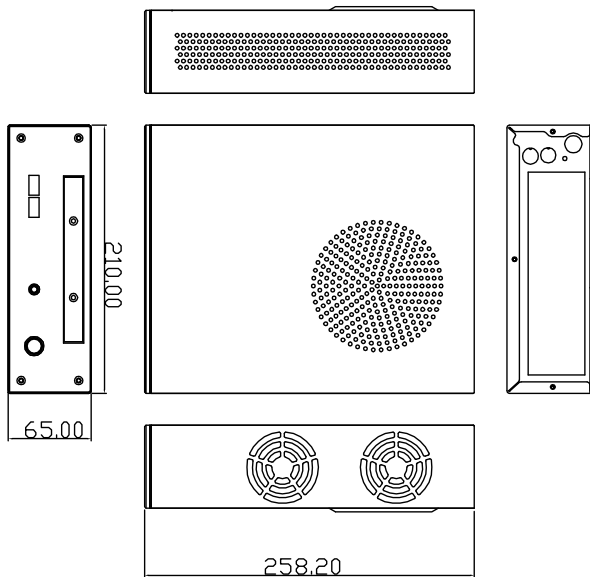
## Features

- ◆ RoHS compliant design
- ◆ Embedded system with IEI KINO series Mini-ITX form factor motherboard
- ◆ Two 6 cm ball bearing system fans
- ◆ Supports one 2.5" hard drive

## Specifications

Model No.	ECK-3699GE/PIV651/1GB	ECK-3699GF/CM440/1GB	ECK-3699GI/CM440/1GB	ECK-3699GJ/MS3500/1GB
<b>Mainboard</b>	KINO-9454	KINO-9452	KINO-9453	KINO-690S1
<b>CPU</b>	Intel Pentium® 4 3.4GHz, 2MB L2 ache, processor 651	Intel® Celeron® M 1.86 GHz 1MB L2 cache, processor 440	Intel® Celeron® M 1.86 GHz 1MB L2 cache, processor 440	Mobile Sempron 3500+ 1.8GHz, 512KB L2 cache
<b>System Chipset</b>	Intel® 945G + ICH7	Intel® 945GM + ICH7M	Intel® 945GM + ICH7M	AMD® RS690 + SB600
<b>System Memory</b>	Two 240-pin 400/533/667 MHz dual channel DDR2 SDRAM DIMM supported (system max.4 GB, built-in 1GB)	Two 240-pin 400/533/667 MHz dual channel DDR2 SDRAM DIMM supported (system max.4 GB, built-in 1GB)	Two 240-pin 400/533/667 MHz dual channel DDR2 SDRAM DIMM supported (system max.4 GB, built-in 1GB)	Two 200-pin 400/533/667 MHz DDR2 SDRAM SO-DIMM supported (system max.2 GB, built-in 1GB)
<b>Ethernet</b>	Dual Broadcom BCM5787 PCI-e GbE	Dual Broadcom BCM5787 PCI-e GbE	Dual Broadcom GbE controller	Dual Broadcom GbE controller
<b>Display</b>	CRT integrated in 945G, with one VGA port	CRT/TV-out interface integrated in 945GM, with one VGA and one 7-pin mini DIN port	CRT/SDVO interface integrated in 945GM, with one VGA and one DVI port	VGA/DVI interface integrated in AMD® 690S, with one VGA and one DVI port
<b>USB</b>	2 x at front and 4x at rear, USB 2.0	2 x at front and 4x at rear, USB 2.0	2 x at front and 2 x at rear, USB 2.0	2 x at front and 2 x at rear, USB 2.0
<b>Audio</b>	Line-in/ Line-out	Mic-in / Line-in / 7.1 channel Line-out	1 x Speaker out, 1 x Line-in	1 x speaker out, 1 x Line-in
<b>Serial Port</b>	3 x RS-232	1 x RS-232	2 x RS-232	2 x RS-232
<b>Storage</b>	2.5" HDD (optional)	Optional 2.5" HDD+Slim CD-ROM module	2.5" HDD (optional)	2.5" HDD (optional)
<b>Chassis Construction</b>	Front bezel: acrylic Chassis: heavy duty metal			
<b>System Cooling</b>	2 x 6010 ball bearing fan			
<b>Power Supply</b>	Internal DC-to-DC power converter, input voltage: 19 VDC External power adaptor, input voltage: 100 VAC ~ 240 VAC@50-60 Hz, 150 W			
<b>Operating Shock</b>	3 G acceleration peak to peak (11 ms)			
<b>Operation Vibration</b>	MIL-STD-810F 514.5C-1			
<b>Operation Temperature</b>	0°C~40°C	0°C~45°C		
<b>Operation Humidity</b>	10% ~ 90%			
<b>Color</b>	Acrylic front bezel: transparent , Metel body: Silver grey			
<b>Weight(Net/Gross)</b>	2.8 kg / 4.2 kg			
<b>Dimensions(DxWxH)</b>	258 mm x 210 mm x 65 mm			
<b>EMC</b>	Meets CE, FCC Class A			

## Dimensions (unit: mm)



## Optional Items



5.25" slim CD-ROM



2.5" hard drive

## Packing List

1 x QIG	1 x (20+4)pin power cable
2 x Driver CD	1 x Power cord
1 x Optical drive converter module	1 x Screw set
1 x SATA cable	1 x Power adaptor
1 x 44-pin IDE cable	1 x CPU cooler
1 x 40-pin IDE cable	

## KINO boards used in ECK-3699G



KINO-9454



KINO-9452



KINO-9453



KINO-690S1

## Ordering Information

Part No.	Description
ECK-3699GE/PIV651/1GB	Embedded system with KINO-9454, Intel® Pentium® 4 3.4GHz, 2MB L2 cache, processor 651, built-in 1GB DDR2 memory, 2 x 6010 system fan, 19 VDC input, RoHS
ECK-3699GF/CM440/1GB	Embedded system with KINO-9452, Intel® Celeron® M 1.86GHz 1MB L2 cache CPU, 1GB DDR2 memory, 2 x 6010 system fan, 19VDC input, RoHS
ECK-3699GI/CM440/1GB	Embedded system with KINO-9453, Intel® Celeron® M 1.86GHz 1MB L2 cache CPU, built-in 1GB DDR2 memory, 2 x 6010 system fan, 19 VDC input, RoHS
ECK-3699GJ/MS3500/1GB	Embedded system with KINO-690S1, AMD® Mobile Sempron 3500+ 1.8GHz CPU, built-in 1GB DDR2 memory, 2 x 6010 system fan, 19VDC input, RoHS

## Optional Items

Item	Part No.	Description
Slim CD-ROM	73100-SR244W1B-RS	Slim type 24x CD-ROM, IDE, black, RoHS
40 GB 2.5" IDE HDD	72200-MHV2040AT-RS	Fujitsu 2.5" HDD, ULTRA DMA, 40 GB, 4200RPM, RoHS
40 GB 2.5" SATA HDD	72000-HTS541040G9SA00-RS	HITACHI 2.5" SATA 150 HDD, 40 GB, 5400RPM, RoHS