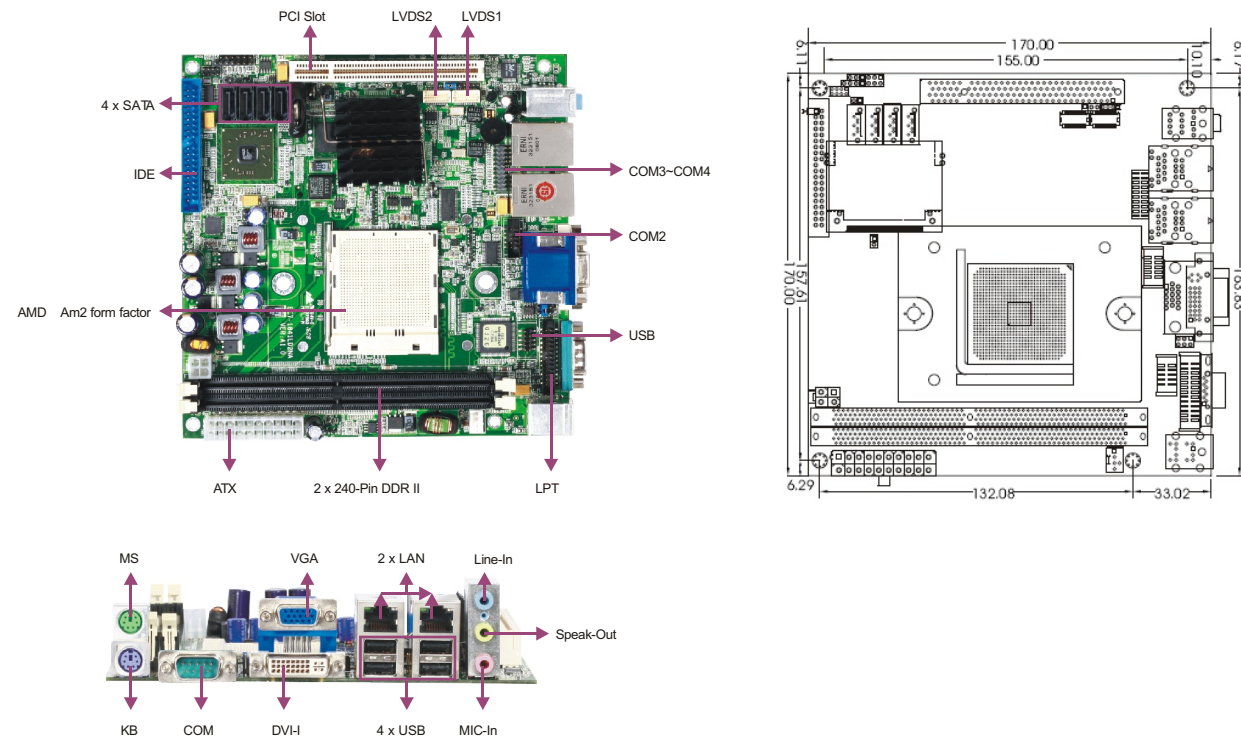
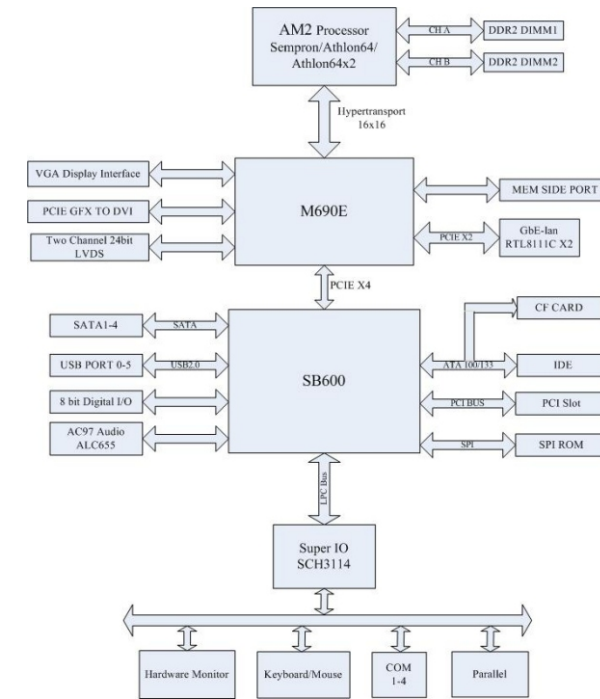


# EC7-1841LD2NA

Mini-ITX SBC with LVDS/VGA/SSD/2LAN/Audio



## Board Diagram



1

Full-Size/Half-Size Slot CPU Cards

2

SBC/Motherboard/Modules

3

Embedded Box PC

4

Network Application Computers

5

Industrial PC

6

HMI

7

EVOC Rugged Series

8

MCC Series

9

Chassis

10

Data Acquisition Boards & Modules

11

Accessories

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## Specifications

System	
Processor	Supports AMD AM2 Sempron™/Athlon64™/Athlon64™ X2 CPU
Chipset	AMD M690E+SB600 chipset
Memory	2 x 240-pin DDR II 400/533/667MHz DIMM slot, up to 4G
Hardware Monitor	Monitors the supply voltage, temperature of CPU and system chassis, giving alarm when the temperature reaches the set value
Watchdog Timer	Software programmable supports 1~255 sec./min. timer system reset or interrupt
Expansion Interface	1 x PCI slot
Storage	
IDE	1 x 40-pin Ultra ATA 133 IDE interface. Supports two IDE devices
Serial ATA	4 x SATAII (supports RAID0, 1, 10)
Floppy	N/A
CompactFlash	1 x CompactFlash Type I/II socket
DOC/DOM	N/A
I/O Interface	
USB	6 x USB2.0 port
Serial Port	4 x RS-232 (COM2 supports RS-232/422/485)
Parallel Port	1 x LPT
Keyboard/Mouse	1 x PS/2
GPIO	8-bit digital I/O port (4I/4O)
Audio	AC' 97, supporting Speaker-out, Line-in and Line-out

## Features

- Supports AMD AM2 form factor processor
- Supports DDR II memory, up to 4G
- Integrated X1250 graphics processing core, onboard 64MB
- Two 10/100/1000Mbps Ethernet controllers

## Display

Display Controller	Chipset integrates X1250 graphics processing unit, 64M independent graphics memory, supporting A/IVO
Display Memory	64MB independent memory
Resolution	VGA mode: up to 2048 x 1536@75Hz
Display	Supporting VGA, 24-bit dual-channel LVDS and DVI-I. Supports VGA + LVDS, VGA+ DVI-I dual display

## Ethernet

Chipset	2 x RTL 8111C Ethernet controller
Speed	10/100/1000Mbps
Connector	2 x RJ45

## Mechanical and Environmental

Dimensions	170.00mm x 170.00mm
Operating Temperature	0°C~60°C
Storage Temperature	-25°C~75°C
Operating Humidity	5%-90%, non-condensing

## Power

Power Supply	Supports ATX power supply
Power Consumption	75.37 (Typical)

## Operating System

Windows OS	DOS/Windows 2000/ Windows XP/Vista
Embedded OS	Linux/XP Embedded/WINCE

## Available Accessories

Part Number	Name	Description	Qty.
—	Driver CD/Protective film/RoHS	EC7-1841LD2NA	1
2330-00030	Jumper	2.54mm pitch, blue with tail	4
2342-001871	Cooler/CoolerMaster/RoHS	Fan + heat sink (copper)2U with backplate S2K-6FMCS-E4-GP	1
2360-006260	Parallel port cable	DB25 connector to 2x13(female) connector (2.0mm), length: 240mm	1
2360-009081	HDD flat cable/RoHS	40P/Hard disk/Data/Cable/DMA33/150/350	1
2360-011230	Converter cable	DB9 connector to 2x5 Pin connector (2.0mm pitch), length: 300mm/RoHS	1
2360-011231	Serial port cable/RoHS	DB9 connector to 2x5 Pin connector (2.0mm pitch), length: 300mm/RoHS	2
2360-014781	Dual USB ports with bracket/RoHS	Two USB ports to one 2x5 Pin connector (2.0mm pitch), length: 550mm/RoHS	1
2360-017961	SATAHDD cable/RoHS	SATA7 Pin to SATA7 Pin with elbow connector, length: 550mm/RoHS	1
—	Setup Guide/RoHS	AMI/BIOS Setup Guide (for CORE8)	1
—	User's Manual/RoHS	EC7-1841LD2NA	1

## Ordering Information

Part Number	Model Number	Description
0030-001140	EC7-1841LD2NA	Motherboard