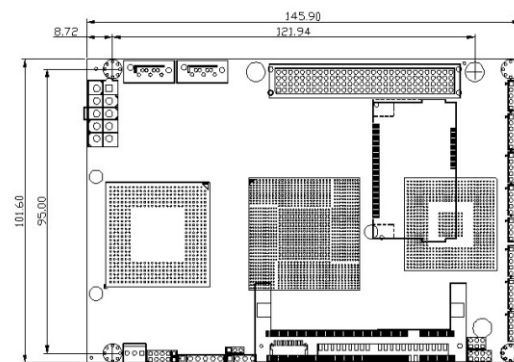
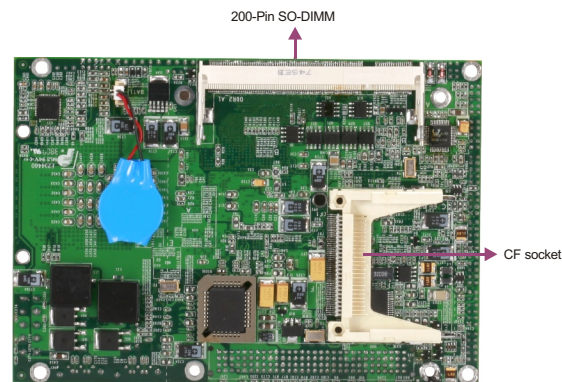
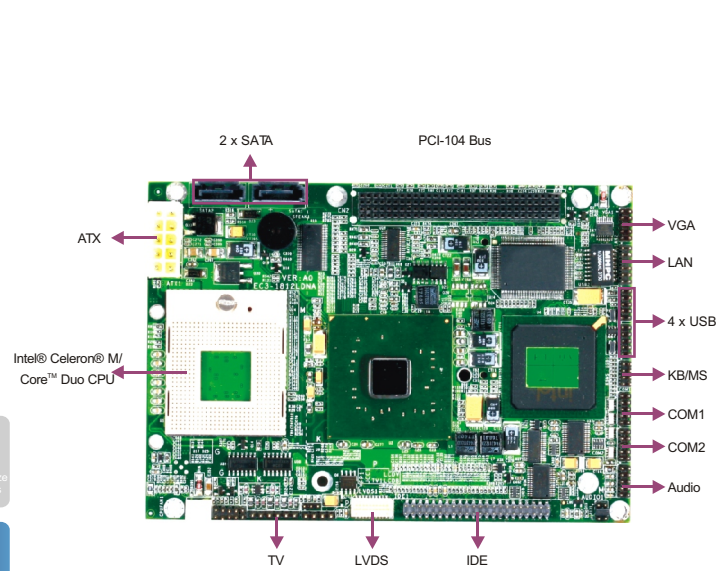
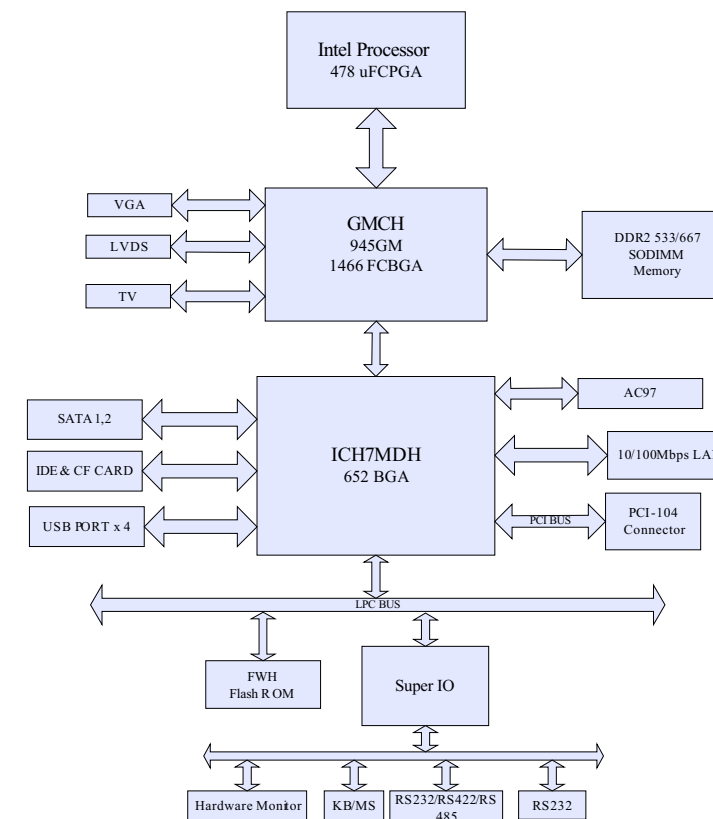


# EC3-1812LDNA

3.5" SBC with CPU and LCD/VGA/SSD/LAN



## Board Diagram



## Features

- Supports Intel® Celeron® M 440/423 and Core™ Duo L2400/T2500/U2500 CPU
- Supports 2GB DDR2 memory
- 10/100/1000Mbps Ethernet controller
- Supports VGA/18/24-bit TFT LVDS/TV-OUT independent dual-display
- AT/ATX power supply

## Display

Display Controller	System chip Intel® 945GM integrated
Display Memory	224MB shared memory
Resolution	VGA mode: 2048 x 1536@75Hz/LVDS mode: 1600 x 1200@60Hz
Dual Display	Supports VGA+LVDS, TV-OUT+LVDS, VGA+TV-OUT independent dual display

## Ethernet

Ethernet Controller	1 x 10/100Mbps Ethernet controller
Speed	10/100Mbps
Connector Interface	1 x RJ45

## Mechanical and Environmental

Dimensions	146mm x 102mm
Operating Temperature	0°C~60°C
Storage Temperature	N/A
Operating Humidity	5%-90%, non-condensing

## Power

Power Supply	ATX power supply
Power Consumption	Typical 16W (Intel® Celeron® 440 CPU, 2GB memory)

## Operating System

Windows OS	Windows2000/Windows XP
Embedded OS	Linux/XP Embedded

## Certification

CE, RoHS

## Available Accessories

Part Number	Name	Description	Qty.
—	Driver CD/Protective film/RoHS	EC3-1812LDNA	1
2330-000011	Jumper/RoHS	2.0mm pitch	4
2360-002581	Audio cable with bracket/RoHS	Three audio jacks to one 2x5 Pin connector (2.0mm pitch), length: 300mm/RoHS	1
2360-006151	Y-cable for keyboard and mouse/RoHS	PS/2 port connector to 2x4 Pinconnector (2.0mm pitch) length: 300mm/RoHS	1
2360-008781	HDD cable/RoHS	40 Pin to 44 Pin (2.0mm pitch), length: 550mm/RoHS	1
2360-011231	Serial port cable/RoHS	DB9 connector to 2x5 Pin connector (2.0mm pitch), length: 300mm/RoHS	2
2360-012641	VGA cable/RoHS	VGA connector to 2x5 Pin connector (2.0mm pitch), length: 300mm/RoHS	1
2360-014781	Dual USB ports with bracket/RoHS	Two USB ports to one 2x5 Pin connector (2.0mm pitch), length: 550mm/RoHS	2
2360-014891	Power cable/RoHS	One male 20 Pin (2x10) port to female 2x5 Pin connector (4.2mm pitch), length: 150mm/RoHS	1
2360-017241	Power supply output cable/RoHS	TJC10 4 Pin connector (male) to TJC16-10P 4.2 connector(female), length: 150mm	1
2360-017471	Parallel flat cable/RoHS	Two ports 2x6 Pin connector (2.0mm pitch), length: 250mm	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 CORE™/8)	1
—	User's Manual/RoHS	EC3-1812LDNA	1
1030-100190	Motherboard (with cooler)	EC3-1812LDNA	1

## Ordering Information

Part Number	Model Number	Description
0030-002460	EC3-1812LDNA	Motherboard
0030-007330	EC3-1812LDNA-CM423	Motherboard/Celeron®-M 423
0030-010070	EC3-1812LDNA-EA	Motherboard/EMC Grade A
0030-007350	EC3-1812LDNA-L2400	Motherboard/L2400
0030-007340	EC3-1812LDNA-U2500	Motherboard/U2500
0030-007360	EC3-1812LDNA/Conformal coating	Motherboard/Conformal coating

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 EVOG Rugged Series

8 MCC Series

9 Chassis

10 Data Acquisition Boards & Modules

11 Accessories

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