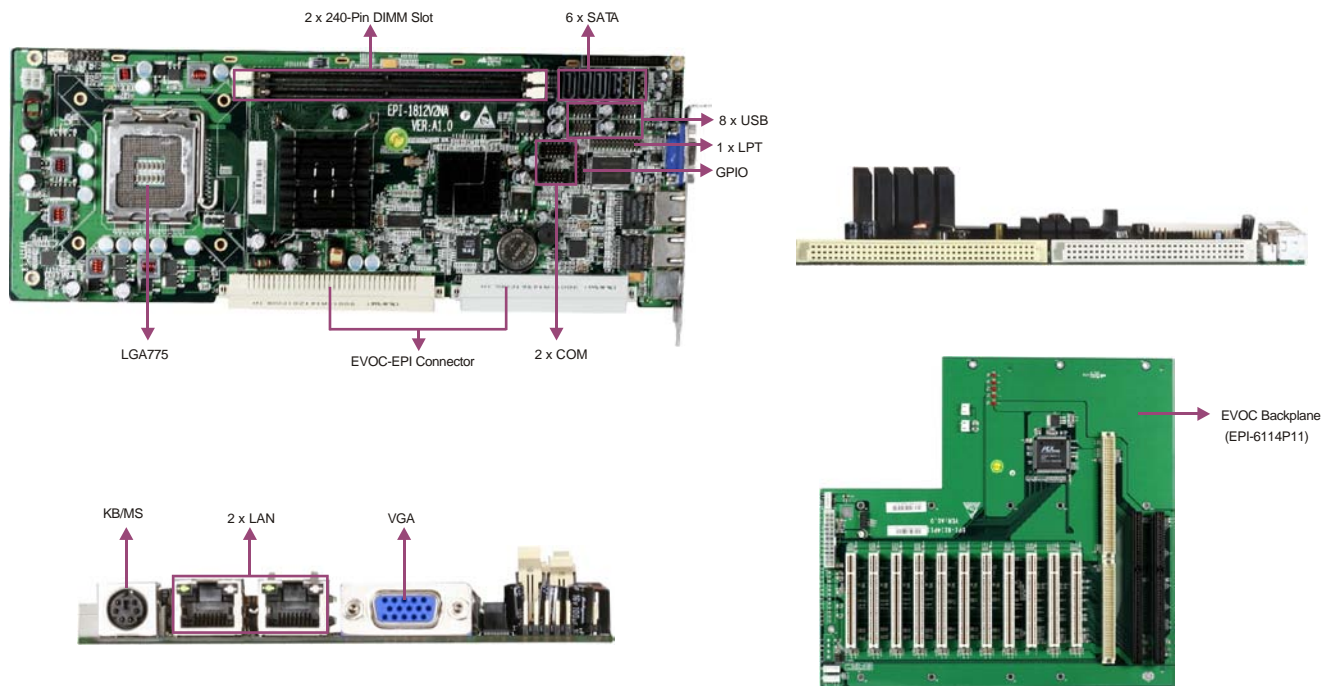


# EPI-1812V2NAR

Intel® Core® 2 Duo EVOC EPI Bus Full-Size CPU Card with VGA/2GbE/Audio



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Full-Size/Half-Size Slot CPU Cards

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SBC/Motherboard Modules

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Embedded Box PC

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HMI

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EVOC Rugged Series

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Accessories



## Features

- EVOC EPI Bus specification compliant
- Compliance with PICMG 1.0 PCI/ISA standard
- EVOC EPI connector consists of 1 x 96-Pin(3x32) and 1 x 120-pin(3x40) Eurocard connector
- Excellent anti-shock and anti-vibration performance
- Supports Intel® Core™ 2 Duo/Quad processor, with 800/1066MHz FSB
- Support 2 x 240-Pin DIMM, up to 4GB of DDR2 533/667/800 memory
- Onboard 2 x Realtek RTL 8111C GbE controller
- Support 8 x USB2.0, 2 x COM, 6 x SATA, 1 x FDD, 1 x LPT, 1 x Audio

## Display

Chipset	Intel® Q965 integrated graphics controller GMA3000
Memory	256MB shared memory
Resolution	VGA mode up to 2048 x 1536@75Hz

## Ethernet

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

## Mechanical and Environmental

Dimensions	338.58mm x 121.92mm
Operating Temperature	-5°C ~ 65°C
Storage Temperature	-25°C ~ 75°C
Operating Humidity	5%-95%, non-condensing

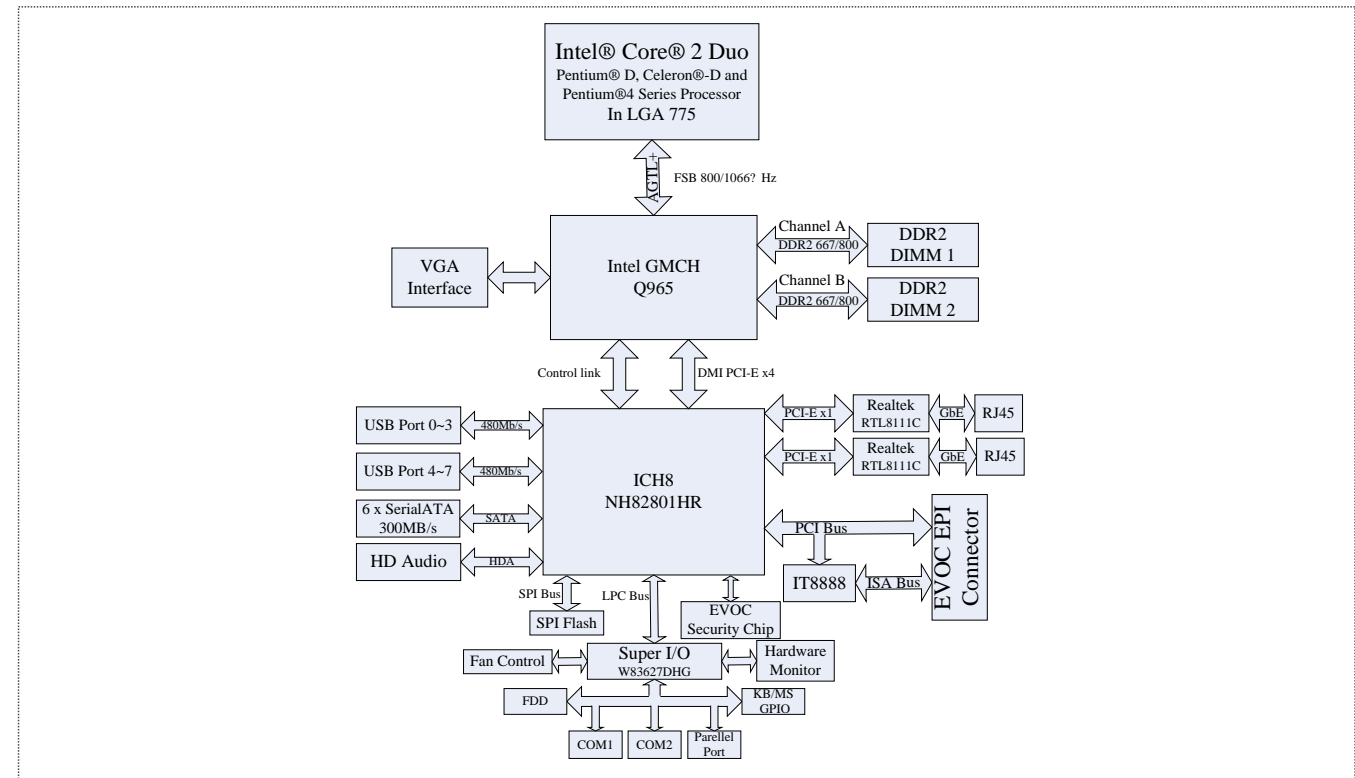
## Power

Power Supply	Supports ATX/AT power supply
Power Consumption	Typical 37W(Intel® Core™ 2 Quad Q6600 2.4GHz CPU, 2 x 2GB DDR2 800 dual channel memory)

## Operating System

Windows OS	Windows 2000/ Windows XP
Embedded OS	Linux/XP Embedded

## Board Diagram



## Available Accessories

Part Number	Name	Description	Qty.
N/A	Setup Guide/RoHS	AMI/BIOS Setup Guide (for CORE8)	1
N/A	User's Manual/RoHS	EPI-1812V2NAR	1
N/A	Driver CD/Protective film/RoHS	EPI-1812V2NAR	1
2330-000011	Jumper/RoHS	2.0mm pitch	1
2360-005031	Y-cable for KB/MS/RoHS	One mini-DIN port to two PS/2 ports, length: 250mm/RoHS	1
2360-009031	FDD flat cable/RoHS	34P/Floppy disk/Data/Cable/200/350	1
2360-011141	Audio cable with bracket/RoHS	Three audio connectors with bracket to 2x5 Pin, length: 300mm/FSC-1731VNRA	1
2360-011221	Parallel port cable/RoHS	DB25 connector to 26-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	1
2360-014961	COM cable/RoHS	Dual DB 9 Pin connector to 2x10 2.0mm pitch connector, length: 300mm/A1	1
2360-017961	SATAHDD cable/RoHS	SATA7 Pin to SATA7 Pin with elbow connector, length: 550mm/RoHS	1

## Related Product

Item	Typical Recommendation
Intel® CPU	Q6600, E7400, E7300, E6400, E4600, E4300, E5200, E2140, E1400, CeleronD 430, Pentium D 915
4U Chassis + Backplane	4U Chassis: IPC-2402, IPC-2403, IPC-2404, IPC-810B, IPC-8421, SPC-0401 Backplane: EPI-6105P4, EPI-6113LP4, EPI-6114P11
Power Supply	ATX, available 270W/350W/400W/500W

## Ordering Information

Part Number	Model Number	Description
0035-000010	EPI-1812V2NA	Motherboard, EPI-bus standard full-size CPU card IntelQ965 chipset/onboard two gigabit network ports
0035-000020	EPI-1812V2NAR	Motherboard, EPI-bus standard full-size CPU card IntelQ965 chipset/onboard two gigabit network ports/Raid support
0035-000220	EPI-1812VNA	Motherboard, EPI-bus standard full-size CPU card IntelQ965 chipset/onboard one gigabit network port
0035-000210	EPI-1812VNAR	Motherboard, EPI-bus standard full-size CPU card IntelQ965 chipset/onboard one gigabit network port/Raid support
1050-003170	EPI-6113LP4(B)	Backplane