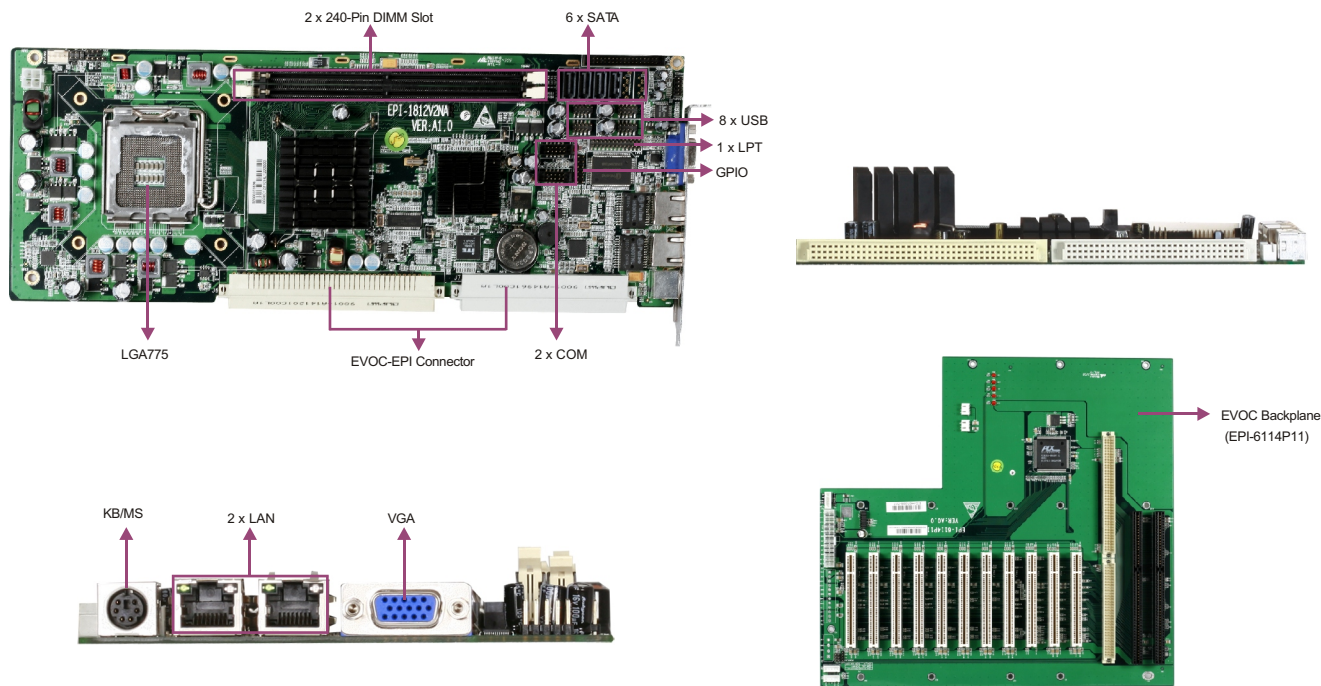


EPI-1812V2NAR

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



Features

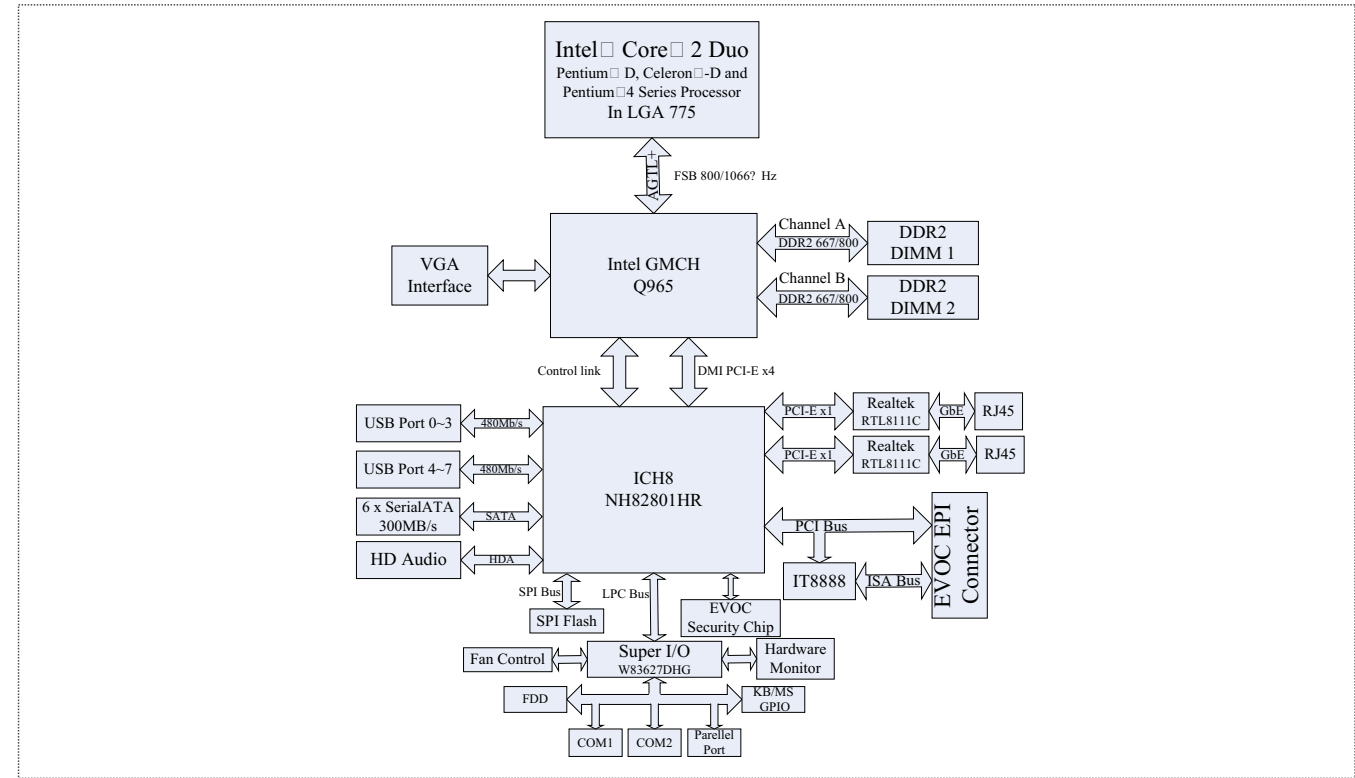
- EVOC EPI Bus specification compliant
- Compliance with PICMG 1.0 PCI/ISA standard
- EVOC EPI connector consists of 1 x 96-Pin(3x32) and 1 x 120-pin(3x40) Eurocard connector
- Excellent anti-shock and anti-vibration performance
- Supports Intel® Core™ 2 Duo/Quad processor, with 800/1066MHz FSB
- Support 2 x 240-Pin DIMM, up to 4GB of DDR2 533/667/800 system 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

System

Processor	Supports Intel® Core® 2 Duo/Quad, Pentium® D, Celeron®-D and Pentium®4 Series Processor in LGA775, with 800/1066MHz FSB
Chipset	Intel® Q965 + ICH8B/ICH8R(optional)
Memory	Supports 2 x 240-Pin DIMM, up to 4GB of DDR2 533/667/800 system memory
Hardware Monitor	Monitors system status, voltage, temperature and fan speed
Watchdog Timer	1~255 sec./min. timer system reset or interrupt by software
Expansion Interface	PICMG 1.0 PCI/ISA Bus
Storage	
Serial ATA	6 x Serial ATA 300MB/s interface, supporting Intel® Matrix RAID0, 1,5,10
IDE	N/A
Floppy	1 x FDD interface
I/O Interface	
USB	8 x USB2.0 Ports, Available interface of 4 x 9-Pin header on board
Serial Port	2 x RS-232, Available interface of 2 x 10-Pin header on board
Parallel Port	1 x LPT, Available interface of 1 x 26-Pin header on board
Audio	Onboard Realtek ALC888, supports Intel® High Definition Audio
Keyboard/Mouse	1 x PS/2

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