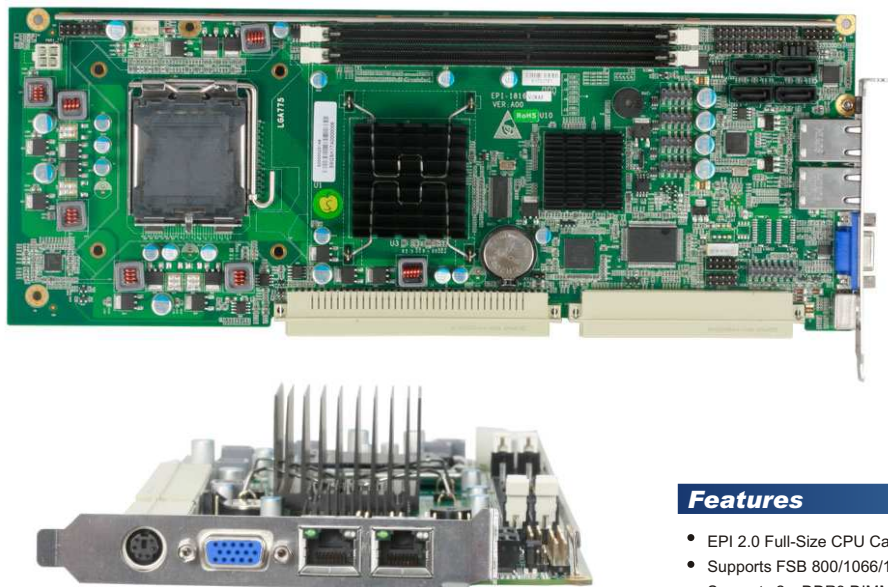


EPI-1816V2NAR

EPI 2.0 LGA775 Core™ 2 Quad, Core™ 2 Duo CPU Card with VGA+VGA/2LAN/Audio/Raid



Features

- EPI 2.0 Full-Size CPU Card
- Supports FSB 800/1066/1333MHz LGA 775 CPU
- Supports 2 x DDR3 DIMM slot, up to 4GB
- Supports 2 x Intel 10/100/1000Mbps Ethernet interface
- Supports 4 x SATA2.0, 8 x USB2.0, 1 x LPT, 2 x COM, 1 x PS/2

Specifications

System

Processor	Supports Intel® Core™ 2 Duo/Core™ 2 Quad in LGA 775 package with FSB 800/1066/1333MHz, Intel® Core™ 2 Extreme series CPUs are not supported
Chipset	Intel® G41+Intel® ICH7/CH7R
Memory	Support 2 x 240pin DIMM, up to 4GB DDR3 800/1066MHz memory
Watchdog Timer	1~255 sec./min. timer system reset or interrupt, setup by software
Expansion Interface	EPI 2.0 bus standard, which can expand PCI and ISA devices or slots via EPI 2.0 carrier.

Storage

IDE	N/A
Serial ATA	4xSerial ATA 2.0 interface (optional RAID 0, 1, 5, 10)

I/O Interface

USB	8 x USB2.0 ports, available interface of 9-Pin header on board
Serial Port	2 x RS-232, COM1 supports RS-232/RS-422/RS-485 mode
Parallel Port	1 x LPT
GPIO	1 x 8bit DIO
Audio	HD Audio, available interfaces of Mic-in/Line-in/Line-out

Display

Chipset	Intel® G41 chipset integrates GMA4500 controller
Memory	384MB shared with system memory
Resolution	The maximum resolution and refresh rate supported by VGA1 is up to 2048x1536@75Hz, that supported by VGA2 is up to 1920x1200@60Hz and that supported by LVDS is up to 1600x1200@60Hz.
Dual Display	Supports VGA display, 18/24bit LVDS single channel/dual channel, dual VGA display, VGA + LVDS dual display, VGA display supports hot swap function

Ethernet

Chipset	1 x Intel 82583V and 1 x realtek RTL8111E
Speed	10/100/1000Mbps
Connector	2 x RJ45

Mechanical and Environmental

Dimensions	351.5mm(L) x 146.7mm(W) x 35.8mm(H)
Operating Temperature	0°C~60°C
Storage Temperature	-20°C~80°C
Operating Humidity	5%-95%, non-condensing

Power

Power Supply	Supports ATX power supply
Power Consumption	CPU: Core™ 2 Quad/Q9300/2.50GHz/6M/1333/95W Memory: DDR3 1333 2GB Kingston x2 Operating System: Windows XP +5V@1.61A; +5%/-3% +3.3V@0.27A; +5%/-3% +12V@0.68A; +5%/-3%

Operating System

Windows OS	Windows 7/Windows XP/WIN CE/LINUX
------------	-----------------------------------

Packing List

- 1 x Driver DVD/Chinese and English/RoHS (P/N:2192-014831)
- 1 x VGA cable/RoHS (P/N:2360-000851)
- 2 x USB cable/RoHS (P/N:2360-002571)
- 1 x KM cable/RoHS (P/N:2360-005031)
- 1 x LPT cable/RoHS (P/N:2360-019281)
- 2 x SATA HDD cable/RoHS (P/N:2360-017961)
- 1 x AV cable/RoHS (P/N:2360-028881)
- 1 x COM cable/RoHS (P/N:2360-029961)

Ordering Information

Part Number	Model Number	Description
0030-018381	EPI-1816V2NAR	EPI 2.0 CPU card with Intel®G41/LGA 775 /2 x DDR3 DIMM/2 x VGA/4 x SATA 2.0/2xGbE/8 x USB2.0/2 x RS232/1 x LPT/1 x PS/2/HDA audio card/Raid/RoHS
0030-018361	EPI-1816VL2NA	EPI 2.0 CPU card with Intel®G41/LGA 775 /2 x DDR3 DIMM/VGA+LVDS/4 x SATA 2.0/2xGbE/8 x USB2.0/2 x RS232/1 x LPT/1 x PS/2/HDA audio card/RoHS
0030-018351	EPI-1816VLNAR	EPI 2.0 CPU card with Intel®G41/LGA 775 /2 x DDR3 DIMM/VGA+LVDS /4 x SATA 2.0/1xGbE/8 x USB2.0/2 x RS232/1 x LPT/1 x PS/2/HDA audio card/Raid/RoHS
0030-018371	EPI-1816VNA	EPI 2.0 CPU card with Intel®G41/LGA 775 /2 x DDR3 DIMM/2 x VGA/4 x SATA 2.0/1xGbE/8 x USB2.0/2 x RS232/1 x LPT/1 x PS/2/HDA audio card/RoHS

1

Embedded Boards & Industrial Computers

2

Embedded Systems

3

Communications & Network Application Platform

4

Rugged Computers