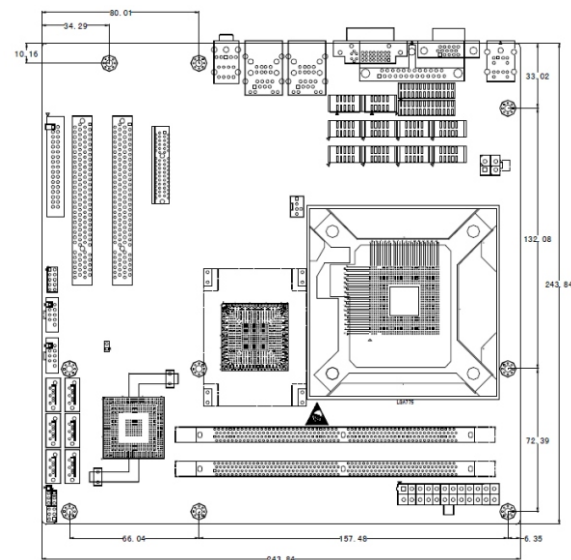
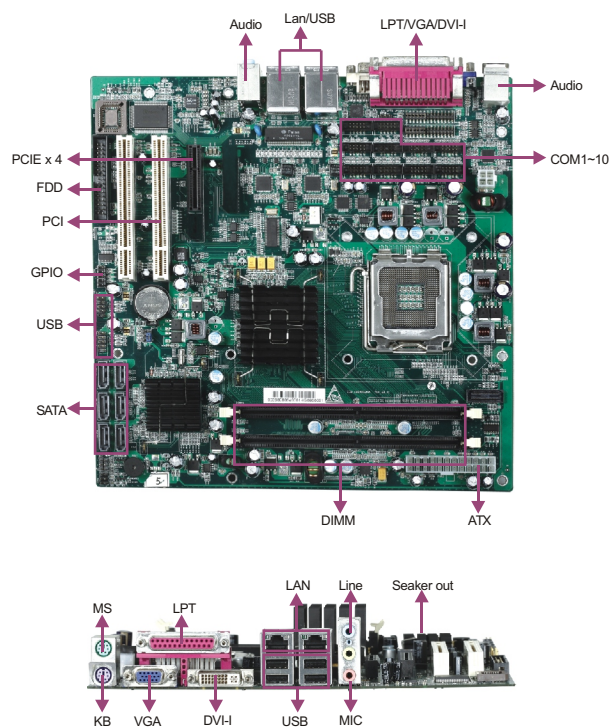
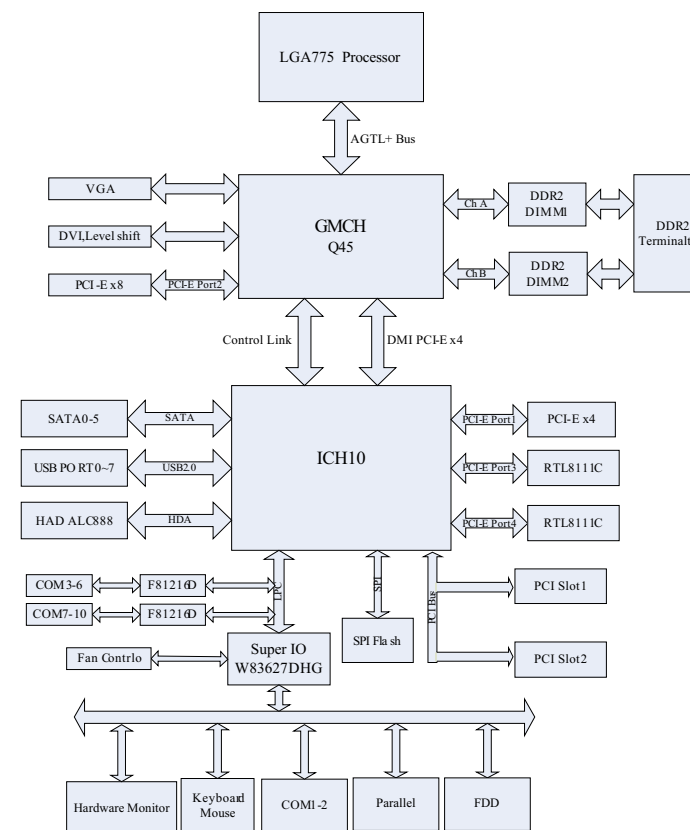


EC9-1814V2NA

Embedded ATX SBC with VGA/DVI-I/2 LAN/Audio



Board Diagram



Features

- Supports Intel® LGA775 Core™ series processor, and FSB 800/1066/1333MHz
- Supports 2 x 240-pin DIMMs, dual channel up to 4GB of DD2 667/800
- Intel Q45+Intel ICH10
- 1 x PCI-E x4 slot; 2 x PCI slot. PCI2 supports single device, also expandable to 3 x device via riser card
- Supports 8 x USB2.0, 10 x COM, 6 x SATA, 1 x KB/MS, 1 x FDD, 1 x LPT
- Supports VGA + DVI independent dual display



Specifications

System	
Processor	Intel® LGA775 Package Core™ CPU (Single-core/Dual-core/Quad-core CPU), Pentium® E series CPU, Celeron® 400series CPU
Chipset	Intel® Q45 + ICH10
Memory	Supports 2 x 240-pin DIMMs, dual-channel, up to 4GB, optional DDR2 667/800MHz
Hardware Monitor	Monitors operating voltage, the temperature of CPU and chassis.
Watchdog Timer	1~255 sec./min. timer system reset or interrupt, setup by software
Expansion Interface	1 x PCI-E x4 slot; 2 x PCI slot. PCI2 supports single device, also expandable to 3 devices via riser card
Storage	
IDE	N/A
Serial ATA	6 x Serial ATA interface
Floppy	1 x FDD
CF	N/A
DOC/DOM	N/A
I/O Interface	
USB	8 x USB2.0 port
Serial Port	8 x RS-232, 2 x RS-232/422/485
Parallel Port	1 x LPT
IrDA	N/A
GPIO	4 x GPI, 4 x GPO
Audio	HAD ALC888 controller, available interfaces of Speaker-out, Line-in and Mic-in
Keyboard/Mouse	1 x PS/2

Display	
Chipset	Intel® Q45 integrated GMAX4500 graphics controller. Supports DirectX10, Shader Model 4.0, OpenGL 2.0, Intel® Clear Video technology
Memory	384MB shared memory
Resolution	VGA mode up to 2048 x 1536@75Hz ; DVI mode up to 2048 x 1536@75Hz
Dual Display	DVI + VGA
Ethernet	
Chipset	2 x RTL8111C
Speed	10/100/1000Mbps
Connector	2 x RJ45
Mechanical and Environmental	
Dimensions	243.84mm x 243.84mm
Operating Temperature	0°C~60°C
Storage Temperature	-15°C~60°C
Operating Humidity	5%-90%, non-condensing
Power	
Power Supply	Supports ATX power supply
Power Consumption	+5V@3.42A; +3.3V@3.33A; +12V@2.88A(Intel® Q6600 Core™ 2 Quad, DDR2 800MHz KINGMAX 2G x 2 memory)
Operating System	
Windows OS	Windows 2000/ Windows XP
Embedded OS	Linux/XP Embedded/WinCE

Available Accessories

Part Number	Name	Description	Qty.
—	Driver CD/Protective film/RoHS	EC9-1814V2NA	1
2360-002571	Dual USB ports with bracket/B4/RoHS	Two USB ports to one 10 Pin (2x5), length: 210mm/RoHS	2
2360-009031	FDD flat cable/RoHS	34P/Floppydisk/Data/Cable/200/350	1
2360-012431	Serial port cable/RoHS	DB9 male connector to dual IDC 2x5 Pin 2.0mm pitch connector with bracket, length: 300mm	5
2360-017961	SATAHDD cable/RoHS	SATA7 Pin to SATA7 Pin with elbow connector, length: 550mm/RoHS	3
—	Setup Guide/RoHS	Award BIOS Setup Guide	1
—	User Manual/RoHS	EC9-1814V2NA	1
2330-000041	Jumper/RoHS	2.54mm pitch, blue	1

Ordering Information

Part Number	Model Number	Description
0030-007771	EC9-1814V2NA	Motherboard/RoHS
0030-007770	EC9-1814V2NA	Motherboard