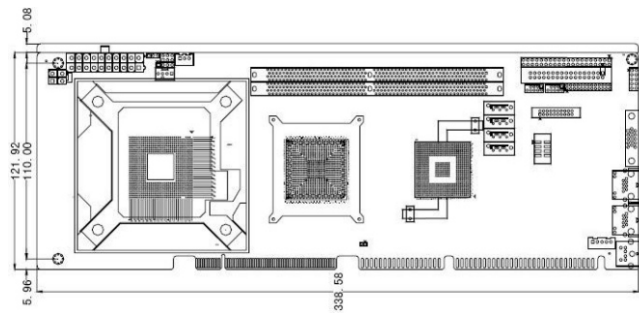
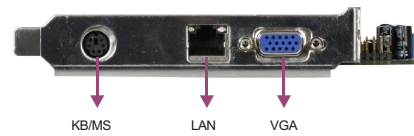
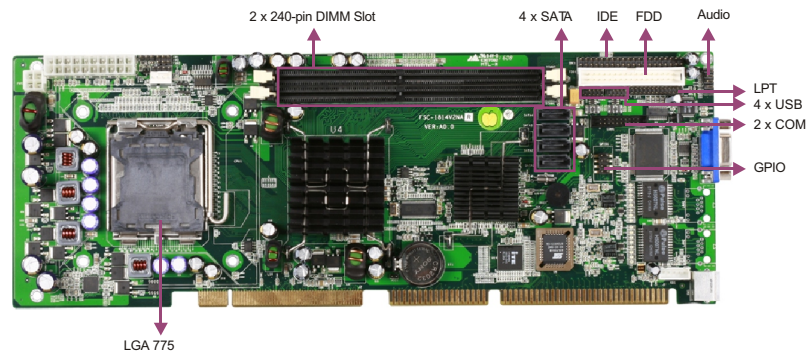
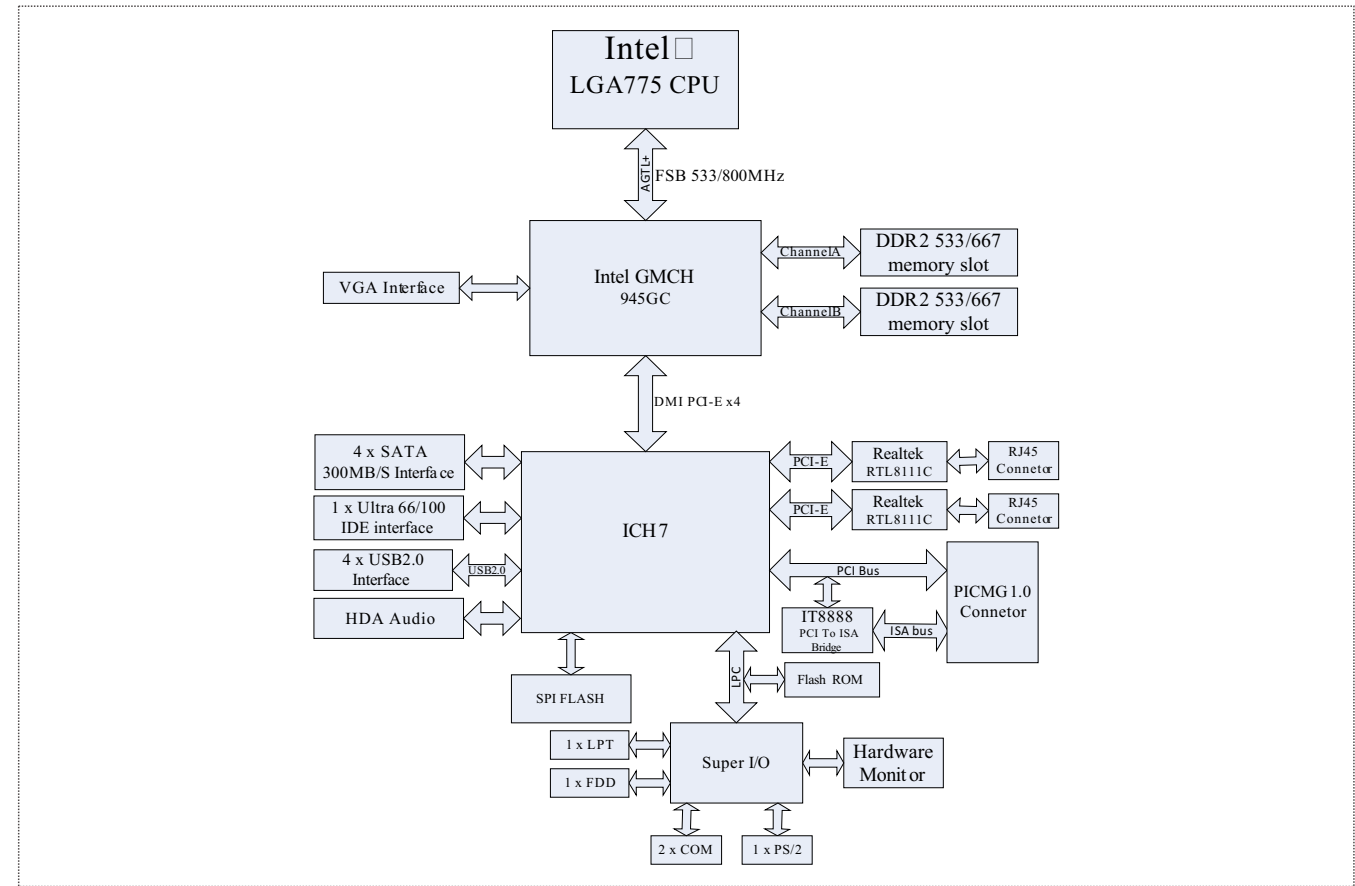


# FSC-1814V2NA

Full-Size PICMG1.0 Intel® LGA775 CPU Card with VGA/2GbE/Audio



## Board Diagram



## Features

- PICMG1.0 specification compliant
- Supports latest Intel® Core™2 Duo CPU, with 800MHz FSB
- Supports 2 x 240-pin DIMM, up to 4GB DD2 533/667 memory
- Onboard 2 x 10/100M/1000Mbps Ethernet controller
- Supports 4 x USB2.0, 4 x SATA, 1 x IDE, 1x FDD, 1 x VGA, 2 x COM, 1 x LPT



## Specifications

System	
Processor	Supports Intel® Core™2 Duo, Pentium® D/ Pentium®4, Celeron®D/ Celeron® CPU in LGA775, with 800MHz FSB
Chipset	Intel® 945GC+ICH7/ICH7R
Memory	Supports 2 x 240-pin DIMM, up to 4GB dual-channel DDR2 533/667 memory
Hardware Monitor	Monitors system status, voltage, temperature and fan speed
Watchdog Timer	1~255 sec./min. timer system reset or interrupt, setup by software
Expansion Interface	PICMG1.0 PCI/ISA Bus
Storage	
IDE	1 x Ultra ATA 66/100 interface
Serial ATA	4 x Serial ATA 300MB/s interface (ICH7R Supports RAID 0, 1, 5, 10)
Floppy	1 x FDD interface
CF	N/A
DOC/DOM	N/A
I/O Interface	
USB	4 x USB2.0 Port, available interfaces of 2 x 9-pin header onboard
Serial Port	2 x RS-232, available interface of 1 x 20-pin header onboard
Parallel Port	1 x LPT
IrDA	N/A
GPIO	N/A
Audio	Onboard Realtek ALC888GR, supporting Intel® HDA, available interfaces of 10-Pin header onboard, Speaker-out, Line-in and Mic-in
Keyboard/Mouse	1 x PS/2

Display	
Chipset	Integrated Intel® GMA950
Memory	256MB shared memory
Resolution	VGA mode up to 2048x1536 @75Hz
Dual Display	N/A
Ethernet	
Chipset	2 x RTL8111C
Speed	10/100M/1000Mbps
Connector	2 x RJ45
Mechanical and Environmental	
Dimensions	338mm x 122mm
Operating Temperature	-5°C~65°C
Storage Temperature	-25°C~75°C
Operating Humidity	5%-90%, non-condensing
Power	
Power Supply	Supports ATX power supply
Power Consumption	Typical 58.8W(Intel® Pentium D 915 2.80GHz, 2G DDR2 667 memory)
Operating System	
Windows OS	Windows 2000/ Windows XP
Embedded OS	Linux

## Available Accessories

Part Number	Name	Description	Qty.
N/A	Driver CD/Protective film/RoHS	FSC-1814V2NA	1
N/A	Setup Guide/RoHS	AMI/BIOS Setup Guide (for Core/8)	1
N/A	User Manual/RoHS	FSC-1814 series	1
2340-001841	Cooler/RoHS	775 cooler/dual-ball bearing/CAP737A-2B/GP 4-line with bracket	1
2360-000431	P4 Power supply cable/RoHS	5P to 3P/ATX/Power cable/FSC-1731VNRA	1
2360-005031	Y-cable for KB/MS/RoHS	One Mini-DIN port to two PS/2 ports, L:250mm/RoHS	1
2360-008331	HDD flat cable/RoHS	DMA66/HDD/CABLE/40P/80-line/length: 450mm	1
2360-009451	FDD flat cable/RoHS	(34p-34p) connector (2.0mm pitch), L: 455mm/RoHS	1
2360-011141	Audio cable with bracket/RoHS	Three audio connector with bracket to 2x5 Pin, L:300mm/FSC-1731VNRA	1
2360-011221	Parallel port cable/RoHS	DB25 connector to 26 Pin (2x13) connector (2.0mm pitch), L:300mm/RoHS	1
2360-014781	Dual USB ports with bracket/RoHS	Two USB ports to one 10 Pin (2x5) connector (2.0mm pitch), L: 550mm/RoHS	2
2360-021721	COM cable/RoHS	DB9 male connector to 2x10 Pin 2.0 pitch female connector, L: 300mm, UL2464/28	1
2360-017961	SATAHDD cable/RoHS	SATA7 Pin to SATA7 Pin with elbow connector, L: 550mm/RoHS	1

## Related Products

Item	Typical Recommendation
Intel® CPU	E4300, E2140, E1400, CeleronD 430, Pentium D 915, Pentium 4 631/524, Celeron D 352
4U Chassis + Backplane	IPC-810B, IPC-8421, IPC-2402, IPC-2403, IPC-2404, SPC-0401
	IPC-6114P12, IPC-6114P7, IPC-6113LP4
6U Chassis + Backplane	IPC-8621+IPC-6120P18, IPC-8621+IPC-6120QP3
Power Supply	ATX, available 270W/350W/400W/500W

## Ordering Information

Part Number	Model Number	Description
0030-001991	FSC-1814V2NA	Motherboard/RoHS
0030-001990	FSC-1814V2NA	Motherboard
0030-000501	FSC-1814V2NAR	Motherboard/RoHS/with RAID
0030-000500	FSC-1814V2NAR	Motherboard/with RAID