

# MBC-4220 AGN

**AICSYS**  
ADVANCED INDUSTRIAL COMPUTER SYSTEMS

## LGA775 945G ATX Industrial Motherboard



### Features

- Supports Intel Core 2 Duo/Pentium D/Pentium 4/Celron D Processors
- Intel® 945G + ICH7R
- DDR2 DIMM x 4, max. 4GB
- Marvell PCI Express Gigabit Ethernet
- Integrated Intel® 945G VGA,
- 4x SATA II, 8x USB 2.0, 6x COM, (1) LPT,
- (1) PCI Express /16x, (1) PCI Express/ 4x. (1) PCI Express/1x , (4) PCI, (1) ISA
- DOC and CF socket
- Watchdog timer, Digital I/O

### CPU

LGA775 socket supports Intel® Core 2 Duo/Pentium® D/ Pentium® 4/Celeron D CPU with FSB 533/800/1066MHz (Extreme Edition is not supported).

### Chipset

Intel® 945G + ICH7R.

### System Memory

(4) DDR2 sockets, up to 4GB PC533/667 DDR SDRAM.

### BIOS

Award 4MB PnP flash BIOS, ACPI supported.

### VGA Controller

945G chipset built-in. Shared memory, max. 224MB.

### IDE Interface

One enhanced IDE supports 2 IDE devices featuring UDMA33/66/100,40PIN IDE connector.

### Serial ATA

Four SATA I II ports, 300MB/s, ICH7R supports RAID 0,1,5,10. And Intel® Maxtrix storage technology.

### Expansion Slots

(1) PCI Express /16x, (1) PCI Express/ 4x, (1) PCI Express/1x , (4) PCI, and (1) ISA.

### Ethernet

Marvell E8053 PCI Express Gigabit LAN.

### Audio

ICH7R built-in audio + Realtek ALC880 HD codec.

### Flash Memory Disk

Sockets for DiskOnChio and Compact Flash.

### I/O Ports

Serial Ports:	(1) RS-232/422/485 and (5) RS-232 ports
Parallel Port:	(1) Bi-direction parallel port supports SPP/ECP/EPP mode
FDD Port:	(1) FDD port, supports up to (2) FDD
Universal Serial Bus:	(8) USB ports, (4) On-board and (4) on Header.
Ethernet:	(1) RJ-45 connector
IR Interface:	(1) IrDA Header
Digital I/O:	8-Bits
KBD/Mouse Connector:	(1) PS/2 KBD, (1) PS2 Mouse

### Watchdog Timer

Generates a system reset with internal timer for 1 to 255 sec. / min.

### Health Monitoring

W83627EHF monitors system/CPU temperature and voltage status.

### Power Requirement

3.3V@0.4, +5V @ 5.94A, +12V @ 6.64A ;(P4 3.4GHz, 2GB DDR2, 160GB HDD,CD-ROM, XP).

### Power Connector

Standard 24-pin and 8-pin ATX Power Connectors. (compatible with 20-pin and 4-pin connectors).

### Environment

Operating Temperature: 0°C ~ 60°C  
Storage Temperature : -20° ~ 80°C  
Humidity : 10% to 90% RH, non-condensing

### Dimensions

305 mm x 244 mm (12" x 9.6")

### Ordering Information

MBC-4220AGN LGA775 Intel® 945G ATX Motherboard w/ VGA, PCI Express Gigabit LAN

12F-3 No 77 Shin Tai Wu Road Sec 1, 221 Hsi Chi, Taipei Hsien, Taiwan, ROC

Telephone: +886-2-2698-3280 / Fax: +886-2-2698-3304

Sales: sales@aicsys.com / Technical Support: support@aicsys.com / Website: http://www.aicsys.com