

**PCIAGP CPU Card with Intel Pentium 4 soeckt 478
FSB 800MHz, AGP 8X,LAN, SATA and Audio**

SAGP-8650

Quick Installation Guide

Version 1.0

Jun. 16, 2006

Package Contents

SAGP-8650 package includes the following items:

- 1 x SAGP-8650single board computer
- 2x IDE cable P/N:32200-000052-RS
- 2x SATA cable P/N: 32000-062800-RS
- 1x SATA Power cable P/N: 32100-088600-RS
- 1x KB/PS2 Mouse Y cable P/N: 32000-000138-RS
- 1x Audio cable P/N: 19800-000023-RS
- 1x Power cable P/N: 32000-029000-RS
- 1x RS232 cable P/N: 32200-004101-RS
- 1 x mini jumper pack
- 1 x Utility CD
- 1 x QIG (quick installation guide)



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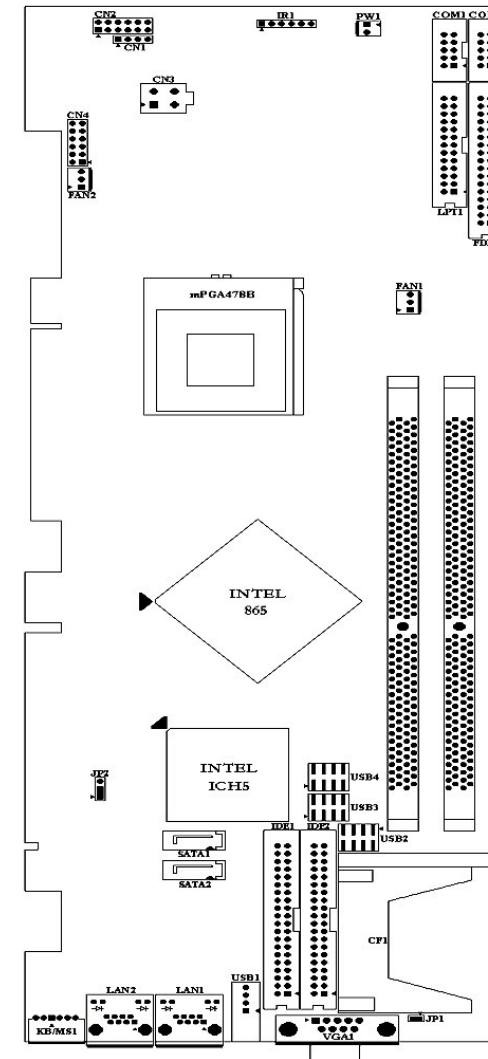
Specifications

- CPU: Socket-478 base support Intel® Pentium® 4/ Celeron® with 400/ 533/ 800 MHz FSB
- System Chipset: Intel® 865G + ICH5
- BIOS : Award Flash BIOS
- System memory: Dual Channel DDR333/400 Mhz support up to 2GB
- Ethernet: - 1st 10/100 Mbps Intel® 82562ET Fast Ethernet controller(SAGP-8650EV)
- 2nd Intel® 82547GI GbE controller(SAGP-8650EVG)
- I/O

I/O Interface:

- 2x RS-232
- 1 x LPT
- 1 x FDD
- 1 x IrDA
- 7 x USB 2.0 (1x in rear, 6x by pin header)
- 2 x SATA-150
- 2 x ATA-100
- 1 x PS2 Keyboard / Mouse
- Display: VGA integrated in Intel® 865G
- Bus: AGP 4X/ 8X
- Audio: AC'97 2.3 Realtek ALC655
- Watchdog Timer: Software programmable supports 1~255 sec. system reset
- Power Supply:
AT/ATX power support
- Power Consumption:
+12V@7.5A, +5V@7A, -12V@0.5A (Pentium® 4 3.0GHz FSB 800MHz, DDR400/1GB (3D Mark))
- Temperature: 0 ~ 60°C(32 ~ 140°F)
- Humidity:operation: 5% ~ 95%,non-condensing
- Dimension: 165mm x 115 mm

Layout



FAN1,FAN2 : CPU Fan Connector	
PIN	DESCRIPTION
1	Ground
2	+12V
3	Rotation Signal

CN4 : Pin Assignment and Functions		
FUNCTION	PIN	DESCRIPTION
BUZZER	2	BUZZER-
	4	NC
	6	NC
	8	VCC
RESET	10	RESET
	12	GROUND
HDD LED	9	IDE_LED+
	11	IDE_LED-
POWER LED	1	LED+
	3	LED-(GROUND)
RESERVE	5	GROUND
	7	NC

CN3: ATX +12V Power connector	
PIN	DESCRIPTION
1	GND
2	GND
3	12V
4	12V

Ordering Information

Standard

SAGP-8650EV-R10

PIAGP CPU Card with Intel® Pentium® 4 Socket 478 FSB 800MHz, AGP 8X, LAN, SATA and Audio

SAGP-8650EVG-R10

PIAGP CPU Card with Intel® Pentium® 4 Socket478 FSB 800MHz, AGP 8X, GbE LAN, SATA and Audio

Optional:

PCI to ISA bridge module P/N:PISA-KIT01-RS-R40

Dual port USB cable P/N: CB-USB-02-RS

CPU cooler P/N: CF-519-RS

FDD cable P/N: 32200-000017-RS

LPT cable P/N: 32200-004001-RS

Jumpers setting and Connectors

JP1: Compact Flash Master/Slave Function Setting	
PIN	DESCRIPTION
Close	Master
Open	Slave

Short 1 - 2 pin , Compact Flash is Master

JP2: Clear CMOS Setup	
JP2	DESCRIPTION
1-2 (default)	Keep CMOS Setup (Normal Operation)
Short 2-3	Clear CMOS Setup

Label	Function
IDE1 & IDE2	Ultra ATA100 Primary & Secondary IDE connectors
FDD1	Floppy connector
LPT1	Parallel port connector
COM1 & COM2	Serial port connectors
CF1	Compact Flash Storage Card Type II connector
IR1	IRDA infrared interface port
USB1	USB port connector
USB2	USB dual port connector
USB3	USB dual port connector
USB4	USB dual port connector
LAN1 & LAN2	LAN RJ45 connector
KB/MS1	6-pin Mini-Din Keyboard & Mouse connector
FAN1 & FAN2	FAN connector
SATA1 & SATA2	Serial ATA connectors
CN1	Audio CD in connector
CN2	Audio connector
CN3	ATX +12V Power connector
CN4	External switches and indicators
PW1	ATX Power Button connector

CN2: Audio connector (Speaker out, Line out, Line in, MIC in)			
PIN	DESCRIPTION	PIN NO.	DESCRIPTION
1	Speaker out (Left)	2	Speaker Out (Right)
3	GROUND	4	GROUND
5	Line Out (Left)	6	Line Out (Right)
7	Line In (Left)	8	Line In (Right)
9	GROUND	10	GROUND
11	MIC In	12	GROUND

VGA1: 15-pin Female Connector			
PIN	DESCRIPTION	PIN NO.	DESCRIPTION
1	RED	2	GREEN
3	BLUE	4	NC
5	GROUND	6	GROUND
7	GROUND	8	GROUND
9	VCC / NC	10	GROUND
11	NC	12	DDC DAT
13	HSYNC	14	VSYNC
15	DDCCLK		

CN1 : Audio CD In connector	
PIN	DESCRIPTION
1	CD SIGNAL (LEFT)
2	GROUND
3	GROUND
4	CD SIGNAL (RIGHT)

PW1: ATX Power Button Connector	
PIN	DESCRIPTION
1	PWRBTN
2	GROUND

USB2,USB3,UBS4 : 2 ports USB Connector			
PIN NO.	DESCRIPTION	PIN NO.	DESCRIPTION
1.	VCC	2.	GROUND
3.	DATA0-	4.	DATA1+
5.	DATA0+	6.	DATA1-
7.	GROUND	8.	VCC

COM1,COM2: 10Pin Serial Port Connector	
PIN	DESCRIPTION
1	DATA CARRIER DETECT (DCD)
2	RECEIVE DATA (RXD)
3	TRANSMIT DATA (TXD)
4	DATA TERMINAL READY (DTR)
5	GROUND (GND)
6	DATA SET READY (DSR)
7	REQUEST TO SEND (RTS)
8	CLEAR TO SEND (CTS)
9	RING INDICATOR (RI)
10	GROUND (GND)

IR1: IrDA Connector	
PIN	DESCRIPTION
1	VCC
2	NC
3	IR-RX
4	Ground
5	IR-TX
6	CIRRX