

SBC8155 Series Quick Installation Guide

I. Checklist

- ✓ SBC8155 Pentium AIO CPU Card x 1
- ✓ Quick Installation Guide x 1
- ✓ Product Information CD-ROM x 1
- ✓ 68-pin SCSI cable x 1 (**SBC8155VES only**)
- ✓ SCSI driver diskette x 1 (**SBC8155VES only**)
- ✓ 3.5" FDD cable x1
- ✓ 3.5" HDD cable x 1
- ✓ PS/2 Keyboard/Mouse adapter x1
- ✓ COM, Printer extension cable with bracket x1

If there are damaged or missing parts, contact your supplier and/or dealer immediately. Do not attempt to apply power to the board if there is damage to any of its components.

II. Jumper Settings

Before turning on the power to the SBC8155 Series, please make sure that all jumpers are on their default settings as listed on the table below.

Jumper	Default Setting	Jumper Setting
JP1	CPU Clock Ration Selection: x2	Short 1-2
JP2	CPU Type Selection: Single Voltage CPU	Open
JP3	CPU V _{core} Selection: 3.3V	Short 1-2, 3-4, 7-8 Open 5-6
JP4	CPU Type Selection: Single Voltage CPU	Short 1-2, 3-4, 5-6
JP5	CPU Bus Clock Selection: 66MHz	Open
JP6	Power Supply Selection: AT Power Supply	Short 1-2
JP7	Power Supply Selection: AT Power Supply	Short 1-2
JP8	Watchdog Function: NMI	Short 1-2
JP9	DiskOnChip Memory Segment: E0000 – E3FFF	Short 1-2, 3-4
JP10	RS232/422/485 (COM2) Selection: RS-232	Short 1-2
JP11	RS232/422/485 (COM2) Selection: RS-232	Short 3-5, 4-6
JP12	RS232/422/485 (COM2) Selection: RS-232	Short 3-5, 4-6
JP16	Power Supply Selection: AT Power Supply	Short 1-2
JP17	RS232/422/485 (COM2) Selection: RS-232	Short 1-2
CN1	Use Internal Buzzer	Short 2-4

IMPORTANT: *The above default settings are set for Intel 133MHz CPU use. Please refer to the following tables when installing other types of microprocessors.*

Please refer to the Product Information CD for the complete version of the User's Manual, drivers, and utilities for the SBC8155 Series CPU Card.

SBC8155 Series Quick Installation Guide

The complete versions of the User's Manual, along with the drivers/utilities software programs are in the Product Information CD of the SBC8155 Series CPU Card Kit.

CPU Bus Clock Selection: JP5

Options	Settings
60MHz	Short 1-2
66MHz	Open

JP5

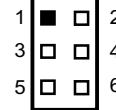


CPU Clock Ratio Selection: JP1

Options	Settings
x 1.5	Open
x 2	Short 1-2
x 2.5	Short 1-2, 3-4
x 3	Short 3-4

Options	Settings
x 3.5	Open
x 4	Short 1-2, 5-6
x 4.5	Short 1-2, 3-4, 5-6
x 5	Short 3-4, 5-6
x 5.5	Short 5-6

JP1



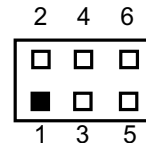
CPU V_{io} (V_{cc3}) Selection: JP2, JP4

Options	Settings
Single Voltage CPU: Intel P54C, Cyrix 6x86, AMD K5	JP2: Open JP4: Short 1-2, 3-4, 5-6
Dual Voltage CPU: Intel P55C (MMX), Cyrix 6x86L/6x86MX, AMD K6	JP2: Short 1-2, 3-4 JP4: Open

JP2



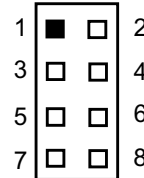
JP4



CPU V_{core} Selection: JP3

CPU Core Voltage	JP3 Settings			
	1-2	3-4	5-6	7-8
3.5V	Short	Short	Short	Short
3.4V	Short	Short	Short	Open
3.3V	Short	Short	Open	Short
3.2V	Short	Short	Open	Open
3.1V	Short	Open	Short	Short
3.0V	Short	Open	Short	Open
2.9V	Short	Open	Open	Short
2.8V	Short	Open	Open	Open
2.7V	Open	Short	Short	Short
2.6V	Open	Short	Short	Open
2.5V	Open	Short	Open	Short
2.4V	Open	Short	Open	Open
2.3V	Open	Open	Short	Short
2.2V	Open	Open	Short	Open
2.1V	Open	Open	Open	Short
2.0V	Open	Open	Open	Open

JP3

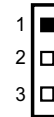


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Power Supply Selection: JP6, JP7, JP16

Power Supply	Settings		
	JP6	JP7	JP16
ATX	Short 2-3	Short 2-3	Short 2-3
AT	Short 1-2	Short 1-2	Short 1-2

JP 6 / 7 / 16



III. Connectors

Label	Connector	Label	Connector
CN1	General Output	CN12	COM1 DB9 (SBC8155 & SBC8155V only)
CN2	50-pin SCSI (SBC8155VES only)	CN11	RJ-45 LAN Connector (SBC8155VES/VE only)
CN3	68-pin SCSI (SBC8155VES only)	CN13	VGA Connector (SBC8155VES/VE/V only)
CN4	IDE1 Connector	CN14	Keyboard DIN
CN5	IDE2 Connector	CN15	External Keyboard
CN6	FDD Connector	CN16	External PS/2 Mouse
CN7	LPT Connector	CN17	IrDA Connector
CN8	COM1 Connector (SBC8155VES/VE only)	CN18	ATX Control Connector
CN9	COM2 Connector	CN19	Int./Ext. Battery Select
CN10	USB Connector	CN20	CPU Fan Connector

IV. SCSI Device Driver Installation

Exclusively for the SBC8155VES CPU card, there is a utility diskette containing the SCSI drivers for all operating systems supported by the onboard Adaptec SCSI chip. Please refer to the readme file(s) contained in the disk before installing any driver. These files will guide you through the step-by-step installation procedure(s).

V. Additional Information

User's Manuals and other documents are in Acrobat PDF format. The Product Information CD contains the Adobe Acrobat 3.0 Reader installation software for user's convenience.

The complete versions of the User's Manual, along with the drivers/utilities software programs are in the Product Information CD of the SBC8155 Series CPU Card Kit.

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VI. Board Layout

The complete versions of the User's Manual, along with the drivers/utilities software programs are in the Product Information CD of the SBC8155 Series CPU Card Kit.

