

SBC81870 Series Quick Installation Guide

I. Checklist

- ✓ SBC81870 Pentium[®] M SBC All-in-One Board x 1
- ✓ Quick Installation Guide x 1
- ✓ Product Information CD-ROM x 1
- ✓ 3.5" FDD cable x 1
- ✓ PS/2 Keyboard/Mouse adapter x 1
- ✓ COM, Printer extension cables with bracket x1
- ✓ VGA cable with bracket x 1
- ✓ 3.5" Ultra DMA66 HDD cable x 1
- ✓ 2-pin mini jumper caps x 15

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 SBC81822 Series, please make sure that all jumpers are on their default settings as listed on the table below.

Jumper	Default Setting	Jumper Setting
JP1	Reserved Pin	
JP2	RS232/422/485(COM2) Selection	
JP3	COM2 Port RI/voltage Selection	
JP4	Sound Connector	
JP5	Compact Flash Card Master/Slave Selection	
JP6	5VSB Connector	
JP7	LVDS Voltage Selection	
JP8	COM1 Port RI/Voltage Selection	
JP9	GigaLAN(LAN2)Enable/Disable Selection	
JP10	Reserved Pin	
JP11	Reset/NMI/Clear Watchdog Selection	
JP13	Clear CMOS Data Selection	
JP15	Backplane 3.3V Voltage Selection	
JP16	Mouse/Mouse Selection	

Please refer to the Product Information CD for the complete version of the User's Manual, drivers, and utilities for the SBC81870 Series CPU Card.

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III. Connectors

Connectors	Label	Connectors	Label
COM Port Connector	COM1, COM2	Keyboard/Mouse Connector	DIN
External Keyboard Connector	EXKB1	Reset Connector	JPANEL(13,15)
Hard Disk Drive LED Connector	JPANEL(9,11)	External Speaker Connector	JPANEL(1,3,5,7)
Power LED Connector	JPANEL(8,10,12)	KeyLock Connector	JPANEL(17,18)
CPU Fan Connector	JCFAN1	System Fan Connector	JSFAN1
VGA Connector	VGA	Hard Disk Drive Connector	IDE1, IDE2
Floppy Disk Drive Connector	FDD1	Printer Connector	LPT1
Universal Serial Bus Connector	USB1, USB2	IrDA Connector	IRDA1
LAN Connector	LAN1, LAN2	Memory Installation	DIMM1, DIMM2
CD Audio-In Connector	JCDIN1, JCDIN2	Digital IO Connector	DIO1
LVDS connector	J2	Inverter Connector	J3
Reserved Pin	J6		
Ethernet 2 External Speed LED (SBC8182V3GAL, V2G, V2E, VGE Only)	JP4	Ethernet 2 External Link/ACT LED (SBC8182V3GAL, V2G, V2E, VGE Only)	JP8
Ethernet 1 External Speed LED (SBC81822V3GAL, V2G, V2E, VGE, VEA, VE, VEL, VELC, VEC, VECD, VELCD Only)	JP10	Ethernet 1 External Link/ACT LED (SBC81822V3GAL, V2G, V2E, VGE, VEA, VE, VEL, VELC, VEC, VECD, VELCD Only)	JP9
Ethernet 3 External Speed LED (SBC81822V3GAL Only)	JP11	Ethernet 3 External Link/ACT LED (SBC81822V3GAL Only)	JP12

Important Note: Make sure your ATX12V power supply can provide 12A on the +12V lead and at least 1A on the +5V standby lead (+5VSB). The minimum recommended wattage is 230W or

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300W for a fully configured system. The system may become unstable and may experience difficulty powering up if the power supply is inadequate.

IV. Additional Information

User's Manual 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.

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V. Board Layout

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