

CSBC1100 Series SBC QuickStart™

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This QuickStart card provides information to help you identify components and configure and install your CSBC1100 Single Board Computer. This document assumes that you have a working knowledge of electronic safety and ESD control procedures and that you have some experience in configuring and installing SBCs, software drivers, and electronic components. To download the complete User's Manual or software drivers from our website, or to contact our Product Support Group, see the reverse side of this card for instructions.

- J16 - Erase CMOS BIOS settings**
 1-2 Normal operation (default setting)
 2-3 Erase BIOS (momentarily jumper)
 See User's Manual for instructions

- J24 - Update the boot block in flash ROM**
 1-2 Write protected (default setting)
 2-3 Write enabled

- J20 - Enable PMC communication**
 1-2 Enable SBC/PMC communication (default)
 2-3 Disable SBC/PMC communication

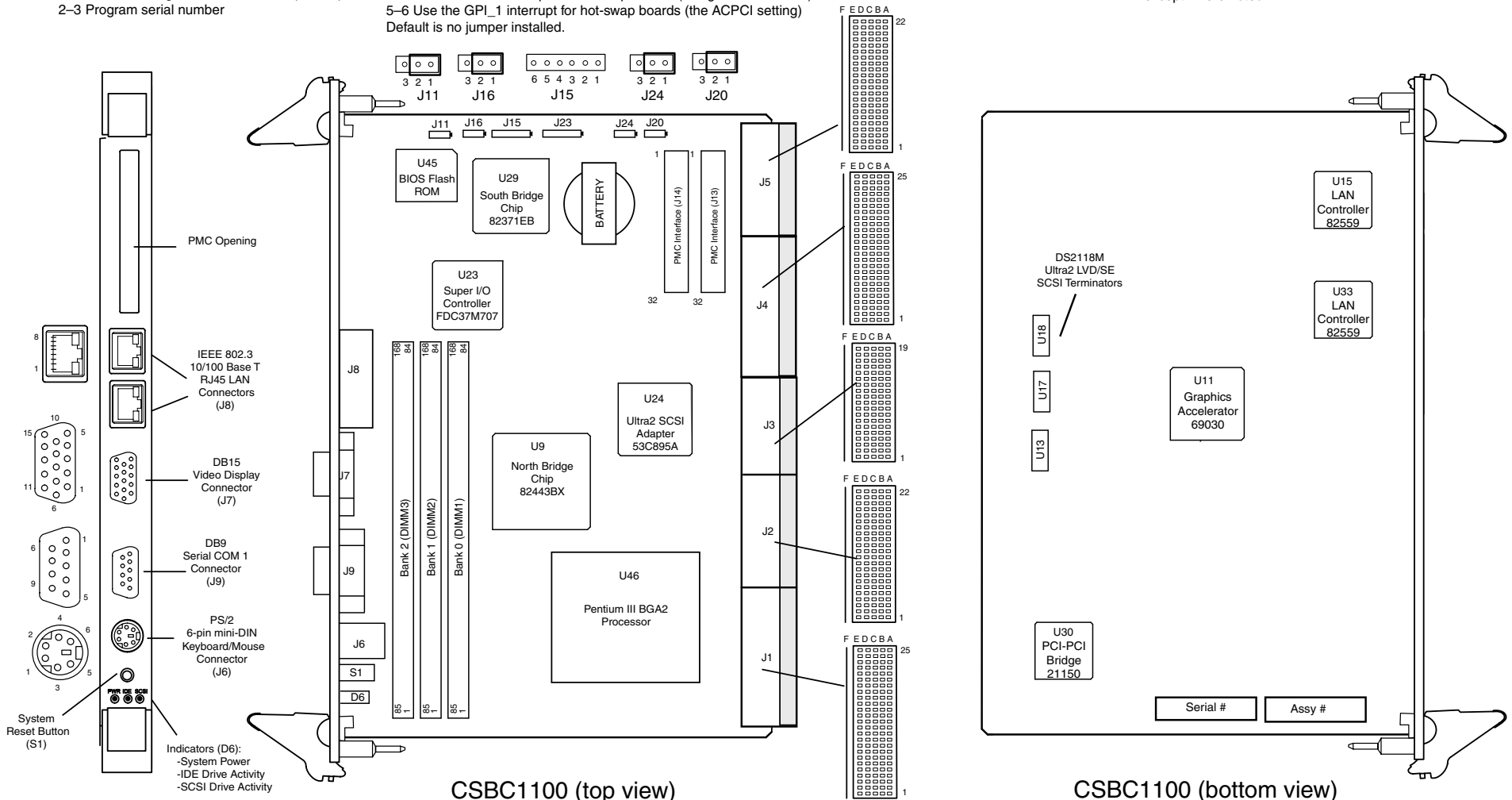
The CSBC1100 PS/2 Combination Keyboard/Mouse Connector (J6) requires the CBL-KB/M-12 Keyboard Splitter Cable for proper operation.

- J11 - Program SBC serial number**
 1-2 Prevent changes to serial number (default)
 2-3 Program serial number

- J15 - Hot-swap setup**
 2-3 Use the IRQ5 interrupt for hot-swap boards (using Windows 2000)
 5-6 Use the GPI_1 interrupt for hot-swap boards (the ACPI setting)
 Default is no jumper installed.

J23 - For factory use only.

All connectors use industry-standard pinouts except where noted.



Installing and Configuring the SBC

CAUTION: Follow standard ESD control procedures when handling the board. If needed, download the User's Manual and read the "Preventing ESD Damage" section.

WARNING: Make sure the computer is turned off and its power cord is disconnected from both the power source and the back of the computer chassis before you install the SBC. Failure to unplug the computer from the power source may cause personal injury and equipment damage and could void the product warranty.

Follow these general instructions to install your SBC:

1. Check the board's jumper settings to ensure proper configuration.
2. Locate the slot in the chassis for the SBC. Ensure that there are no bent or broken pins, which could prevent proper SBC operation.
3. Ensure that the board's two ejector handles are in the outward (ejected) position.
4. Align the edges of the SBC with the chassis' slot guides and gently push the SBC into the chassis until the ejector latches seat in the chassis' slot rails. Carefully push the board into the chassis until it seats in the backplane's connectors.
5. Press both ejector handles inward to lock the board in place.
6. Tighten the four captive screws on the board's front panel to secure the board in the chassis.
7. Attach desired cables to the board's front panel (or, if available, to the optional rear I/O transition board's rear panel).
8. Make sure the computer is turned off and then reconnect the power cord to the back of the chassis and the power source.
9. Power-up the chassis and video display and verify that the SBC is working properly.
10. If desired, access the CMOS Setup Utility by pressing the Delete key immediately after power-up. Setup defaults are provided in the table at right. If these values do not match your requirements, access the appropriate menus and change the values to the desired settings.
11. If desired, access the SCSI Configuration Utility by pressing Ctrl-C when prompted after power-up. This utility allows you to change SCSI hardware settings.
12. Download and install appropriate drivers (see the following procedure).

Installation is now complete. Save the shipping carton and packing materials in case you need to re-ship the SBC.

Downloading the User's Manual and Drivers from our Website

To download the user's manual or the latest software drivers, follow these steps:

1. Go to www.gavazzi-mupac.com.
2. Click on the "Support" link.
3. Click on either the "Documentation" or "Drivers" link.
4. To download a manual in .pdf format, click on the icon to the left of your selection. To download a software driver, click on the filename for the driver you want.

Instructions for installing software drivers are available on the Drivers download page. We also post Technical Notices, Manual Updates/Errata, and other information on our Documentation page. Check back periodically for the latest product information and drivers.

Technical Assistance

Western U.S. Region (WA, OR, CA, UT, NV, AZ, or CO): 1-800-968-7220.
For all other U.S. or Canada locations: 1-800-926-8722.

CMOS Setup Utility Defaults

The following table provides default settings for the CMOS Setup Utility. These settings were tested for best system performance and loaded at the factory.

Menu	Option	Default	Menu	Option	Default	
Standard CMOS Setup	Date	Current Date	Chipset Features (cont.)	8 Bit I/O Recovery Time	1	
	Time	Current Time		16 Bit I/O Recovery Time	Disabled	
	Hard Disks	Auto		Memory Hole At 15M-16M	Enabled	
	Drive A	1.44M, 3.5in		Passive Release	Disabled	
	Drive B	None		Delayed Transaction	64	
	Video	EGA/VGA		AGP Aperture Size (MB)	85°C/185°F	
	Halt On	All, But Keyboard		CPU High Temp Limit	_ °C / _ °F	
	SBC Serial #	Reports serial #		LM87 CPU Temp.	LM87 Curr. Sys. Temp.	RPM
	Total Memory	Reports base memory		LM87 Curr. CPUFAN1 Spd	LM87 Curr. CPUFAN2 Spd	_ V (LM87)
	BIOS Features	Virus Warning		Disabled	Power Management	2.5V:
CPU Internal Cache		Enabled	ACPI Function	3.3V:		Enabled
External Cache		Enabled	Power Management	5.0V:		User Define
CPU L2 Cache ECC Checking		Enabled	PM Control by APM	12V:		Yes
Processor Number Feature		Enabled	Video Off Method	-12V:		V/H SYNC+Blank
Quick Power On Self Test		Disabled	Video Off After			Standby
Boot Sequence		A, C, SCSI	Doze Mode			Disable
Swap Floppy Drive		Disabled	Standby Mode			Disable
Boot Up Floppy Seek		Enabled	Suspend Mode			Disable
Boot Up NumLock Status		On	HDD Power Down			Disable
PNP/PCI Configuration	Gate A20 Option	Fast	Resources Controlled By	Throttle Duty Cycle	62.5%	
	Typematic Rate Setting	Disabled		PCI/VGA Act-Monitor	Disabled	
	Typematic Rate (Chars/Sec)	6		IRQ[3-7, 9-15], NMI	Disabled	
	Typematic Delay (Msec)	250		Primary IDE 0	Disabled	
	Security Option	Setup		Primary IDE 1	Disabled	
	PCI/VGA Palette Snoop	Disabled		Secondary IDE 0	Disabled	
	OS Select for DRAM >64MB	Non-OS2		Secondary IDE 1	Disabled	
	Report No FDD for WIN 95	Yes		Floppy Disk	Disabled	
	Video BIOS Shadow	Enabled		Serial Port	Disabled	
	C8000-CBFFF Shadow	Disabled		Parallel Port	No	
CC000-CFFFF Shadow	Disabled	PNP OS Installed	Auto			
D0000-D3FFF Shadow	Disabled	Reset Configuration Data	Disabled			
D4000-D7FFF Shadow	Disabled	PIRQ x Use IRQ No.	Auto			
D8000-DBFFF Shadow	Disabled	Integrated Peripherals	IDE HDD Block Mode	Enabled		
DC000-DFFFF Shadow	Disabled		IDE Primary Master PIO	Auto		
Show CG Logo	Disabled	IDE Primary Slave PIO	Auto			
LAN1 Front/Rear	Front	IDE Secondary Master PIO	Auto			
LAN2 Front/Rear	Front	IDE Secondary Slave PIO	Auto			
COM1 Front/Rear	Front	IDE Primary Master UDMA	Auto			
Processor Speed	700 MHz	IDE Primary Slave UDMA	Auto			
SCSI Term Control	Terminated	IDE Secondary Master UDMA	Auto			
RTC Date Alarm	Disabled	IDE Secondary Slave UDMA	Auto			
Chipset Features	Auto Configuration	Enabled	On-Chip Primary PCI IDE	On-Chip Primary PCI IDE	Enabled	
	EDO DRAM Speed Selection	60 ns		On-Chip Secondary PCI IDE	Enabled	
	EDO CASx# MA Wait State	2		Onboard PCI SCSI Chip	Enabled	
	EDO RASx# Wait State	1		USB Keyboard Support	Disabled	
	SDRAM Control by	SPD		Init Display First	AGP	
	SDRAM RAS-to-CAS Delay	2		Onboard FDC Controller	Enabled	
	SDRAM RAS Precharge Time	2		Onboard Serial Port 1	Auto	
	SDRAM CAS Latency Time	2		Onboard Serial Port 2	Auto	
	SDRAM Precharge Control	Disabled		UART2 Mode	Standard	
	System BIOS Cacheable	Disabled		Onboard Parallel Port	378/IRQ7	
Video BIOS Cacheable	Disabled	Parallel Port Mode	SPP			
Video RAM Cacheable	Disabled					