ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Find the *S.I.E. Computing / Carlo Gavazzi CSBC1100-P700* at our website: *Click HERE*

CSBC1100 Series SBC *Quick*Start™

1902069, Rev. A, May, 2002. © Copyright 2002, Carlo Gavazzi Mupac, Inc., All Rights Reserved, Printed in USA. Specifications subject to change without notice.

This *Quick*Start 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

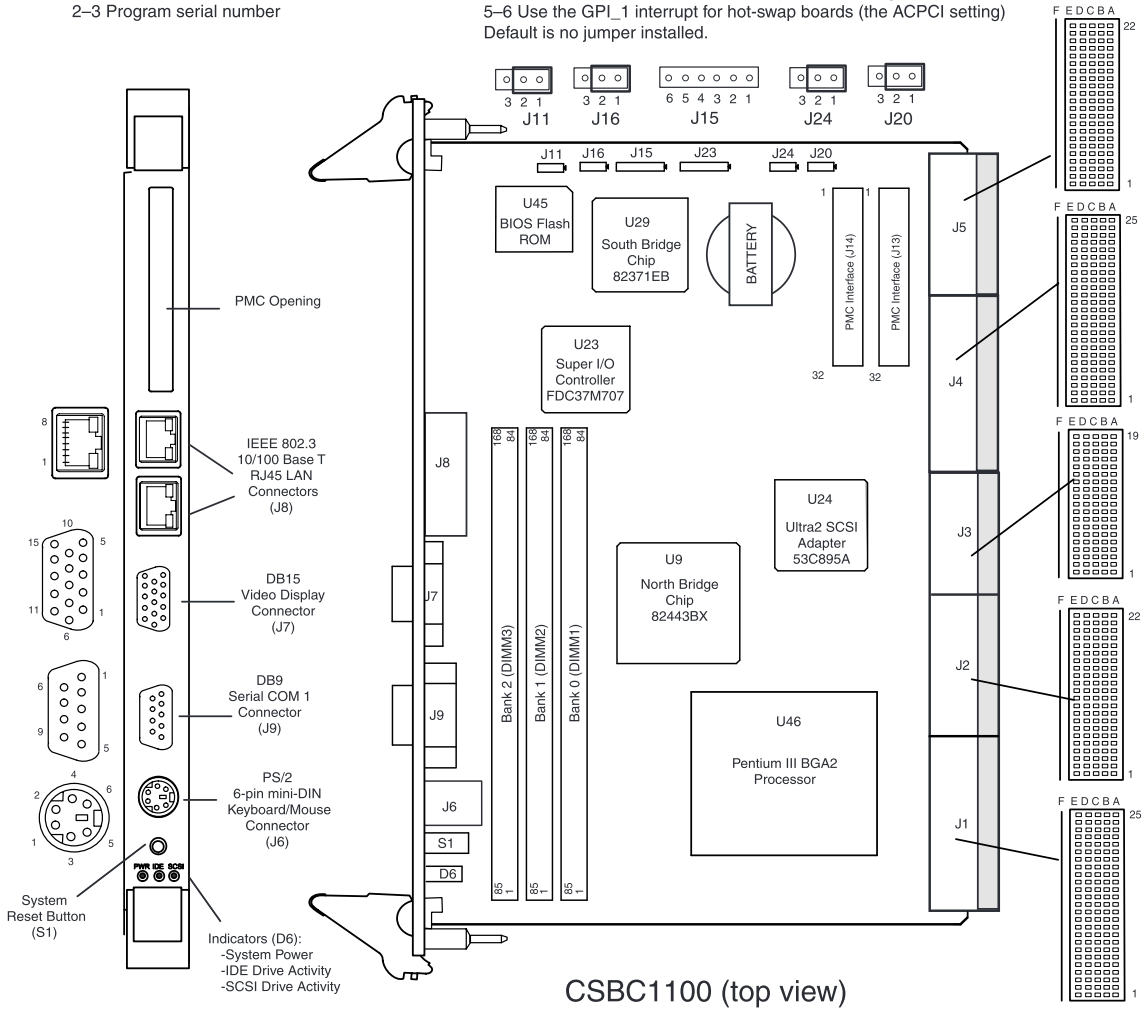
The CSBC1100 PS/2 Combination Keyboard/Mouse Connector (J6) requires the CBL-KB/M-12 Keyboard Splitter Cable for proper operation.

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

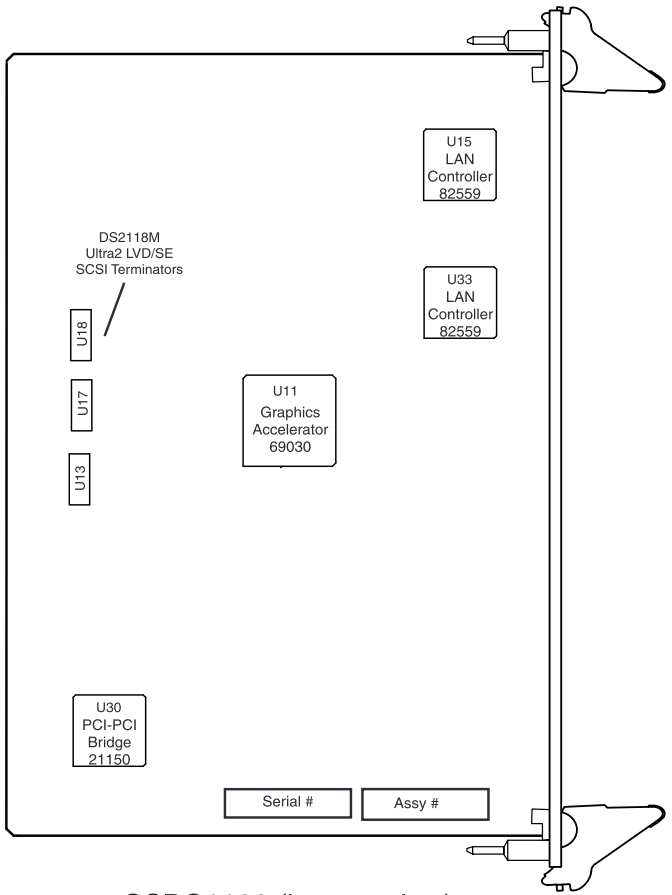
J15 - Hot-swap setup
2–3 Use the IRQ5 interrupt for hot-swap boards (using Windows 2000)
5–6 Use the GPI_1 interrupt for hot-swap boards (the ACPCI setting)
Default is no jumper installed.

J23 - For factory use only.

All connectors use industry-standard pinouts except where noted.



CSBC1100 (top view)



CSBC1100 (bottom view)

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

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP