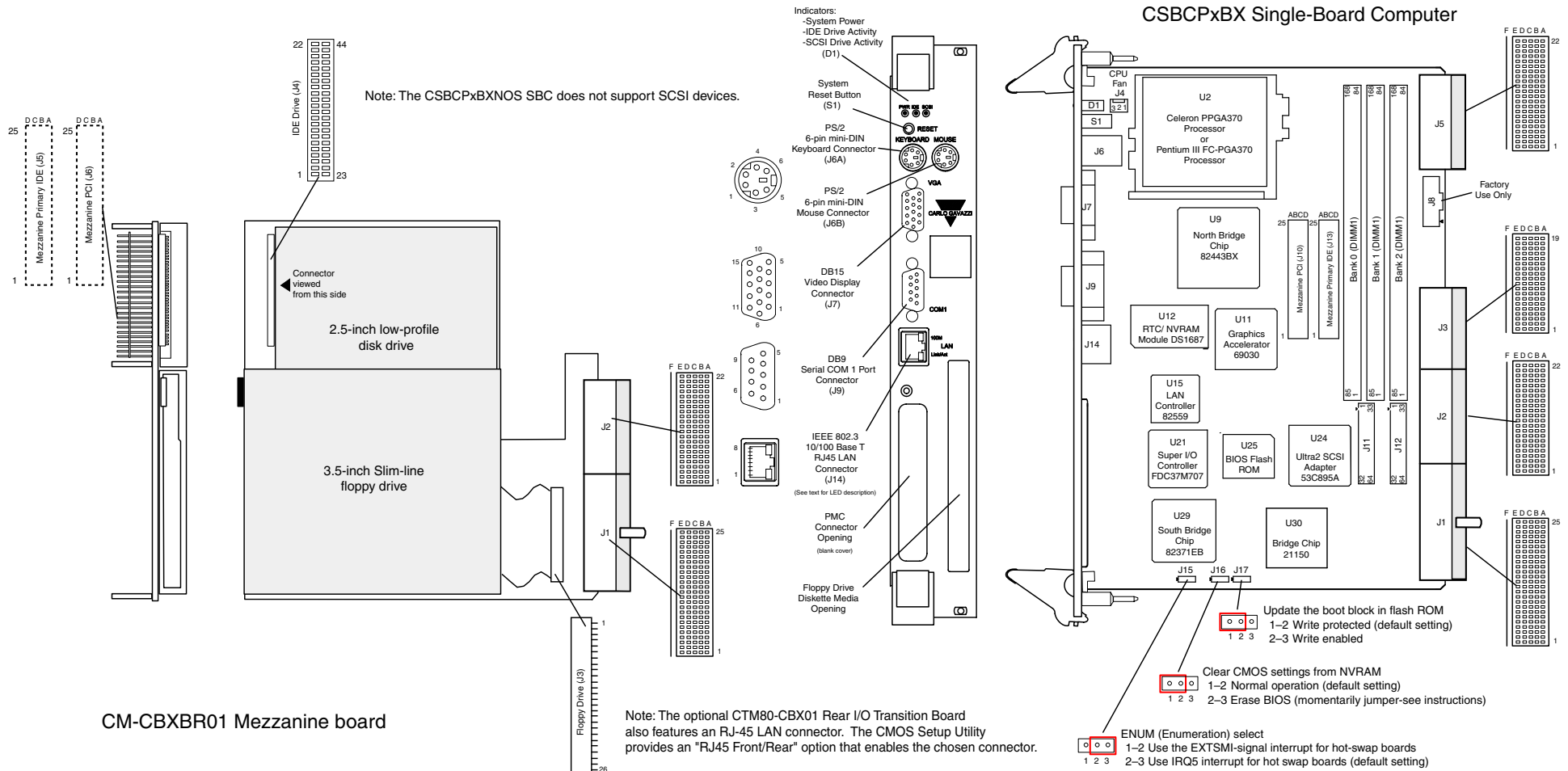


CSBCPxBX Series SBC QuickStart™

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This QuickStart card provides information to help you identify components and configure and install your CSBCPxBX 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.



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.)	16 Bit I/O Recovery Time	1		
	Time	Current Time		Memory Hole At 15M-16M	Disabled		
	Hard Disks	"0" (all fields)		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 Disk/Key		CPU Warning Temperature	80°C/176°F		
	Total Memory	Reports base memory		Current CPU Temperature Current System Temperature	_ °C / _ °F		
	BIOS Features	Virus Warning		Disabled	Power Management	Current CPUFAN1 Speed	_ RPM
		CPU Internal Cache		Enabled		2.5V: Vcore: 3.3V: 5.0V: 12V:	_ V
		External Cache		Enabled		ACPI function	Disabled
CPU L2 Cache ECC Checking		Enabled	Power Management	User Defined			
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 Palette 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 D4000-D7FFF Shadow D8000-DBFFF Shadow DC000-DFFFF Shadow	Disabled	Resources Controlled By		Auto			
Show CG Logo	Disabled	Reset Configuration Data		Disabled			
RJ45 Front/Rear	Front	Slot X Use IRQ No.		Auto			
SCSI Term Control	Terminated	Used Mem base addr		N/A			
Chipset Features	Auto Configuration	Enabled	Integrated Peripherals	IDE HDD Block Mode	Enabled		
EDO DRAM Speed Selection	60 ns		IDE Primary Master PIO IDE Primary Slave PIO IDE Secondary Master PIO IDE Secondary Slave PIO	Auto			
EDO CAS# MA Wait State	2		IDE Primary Master UDMA IDE Primary Slave UDMA IDE Secondary Master UDMA IDE Secondary Slave UDMA	Auto			
EDO RAS# Wait State	1		On-Chip Primary PCI IDE On-Chip Secondary PCI IDE	Enabled			
SDRAM Control	SPD		Onboard PCI SCSI Chip	Enabled			
SDRAM RAS-to-CAS Delay SDRAM RAS Precharge Time SDRAM CAS Latency Time	2		USB Keyboard Support	Disabled			
SDRAM Precharge Control	Disabled		Init Display First	AGP			
DRAM Data Integrity Mode	Non-ECC		Onboard FDC Controller	Enabled			
System BIOS Cacheable	Disabled		Onboard Serial Port 1 Onboard Serial Port 2	Auto			
Video BIOS Cacheable	Disabled		UART2 Mode	Standard			
Video RAM Cacheable	Disabled		Onboard Parallel Port	378/IRQ7			
8 Bit I/O Recovery Time	1		Parallel Port Mode	SPP			