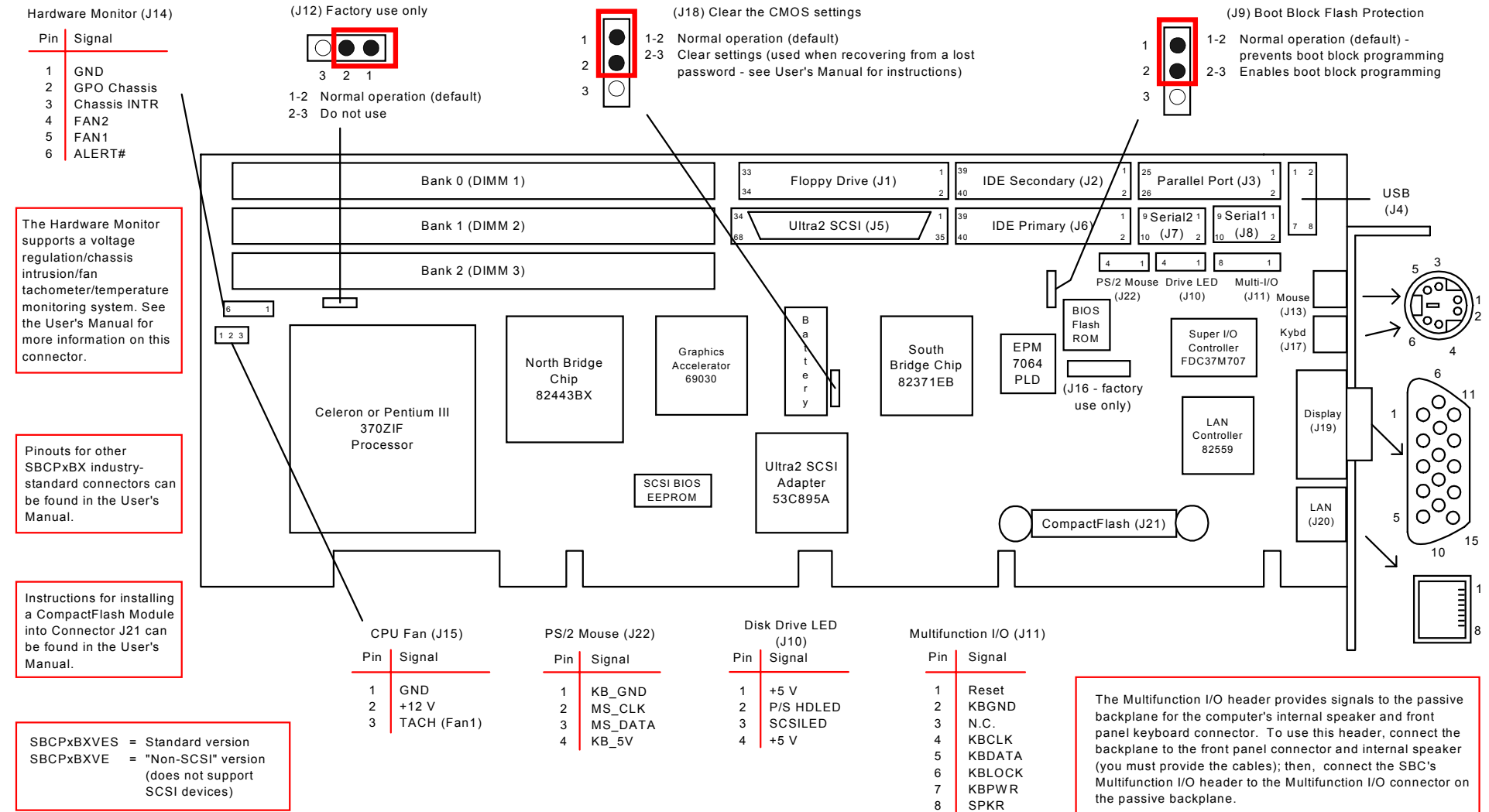


SBCPxBX Series SBC QuickStart™

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This QuickStart card provides information to help you identify components and configure and install your 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 for your system.
2. Open the computer chassis.
3. Locate the passive backplane slot where you will install the SBC.
4. Remove the screw securing the filler bracket (the blank I/O bracket) in the chassis, and remove the filler bracket from the chassis.
5. Align the SBC in the slot connector and carefully press down.
6. Attach the board's I/O bracket to the chassis using the screw removed earlier.
7. Connect I/O devices by attaching optional I/O cables to the SBC, including the video display, storage devices, and other components.
8. Close the computer chassis.
9. Make sure the computer is turned off and then reconnect the power cord to the back of the chassis and the power source.
10. Power-up the chassis and video display and verify that the SBC is working properly.
11. 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.
12. 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.
13. 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.

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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	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	
	Total Memory	Amount in KB		LM87 CPU Temp. LM87 Curr. Sys. Temp.	_ °C / _ °F	
	SBC Serial #	Serial #		LM87 Curr. J14 Pin 5 Spd LM87 Curr. J14 Pin 4 Spd	RPM of fans connected to J14.	
	BIOS Features	Virus Warning		Disabled	2.5V: 3.3V: 5.0V: 12V: -12V:	_ V (LM87)
		CPU Internal Cache		Enabled	LM81 Curr. Sys. Temp.	_ °C / _ °F
External Cache		Enabled	LM81 Curr. CPUFAN1 Speed	RPM		
CPU L2 Cache ECC Checking		Enabled	2.5V: 3.3V: 12V: Vcore: 5.0V: VTT:	_ V (LM81)		
Processor Number Feature		This feature is not used.	Power Management	ACPI function	Enabled	
Quick Power On Self Test		Disabled	Power Management	User Define	User Define	
Boot Sequence		A, C, SCSI	PM Control by APM	Yes	Yes	
Swap Floppy Drive		Disabled	Video Off Method	V/H SYNC+Blank	V/H SYNC+Blank	
Boot Up Floppy Seek		Enabled	Video Off After	Standby	Standby	
Boot Up NumLock Status		On	Doze Mode	Disable	Disable	
Gate A20 Option	Fast	Standby Mode	Disable	Disable		
Typematic Rate Setting	Disabled	Suspend Mode	Disable	Disable		
Typematic Rate (Chars/Sec)	6	HDD Power Down	Disable	Disable		
Typematic Delay (Msec)	250	Throttle Duty Cycle	62.5%	62.5%		
Security Option	Setup	PCI/VGA Act-Monitor	Disabled	Disabled		
PCI/VGA Palette Snoop	Disabled	IRQ[3-7, 9-15], NMI	Disabled	Disabled		
OS Select for DRAM >64MB	Non-OS2	Primary IDE 0 Primary IDE 1	Disabled	Disabled		
Report No FDD for WIN 95	Yes	Secondary IDE 0 Secondary IDE 1	Disabled	Disabled		
Video BIOS Shadow	Enabled	Floppy Disk Serial Port Parallel Port	Disabled	Disabled		
C8000-CBFFF Shadow CC000-CFFFF Shadow D4000-D7FFF Shadow D8000-DBFFF Shadow DC000-DFFFF Shadow	Disabled	PNP/PCI Configuration	PNP OS Installed	No		
Show CG Logo	Disabled	Resources Controlled By	Auto	Auto		
SCSI Term Control	Terminated	Reset Configuration Data	Disabled	Disabled		
RTC Date Alarm	Disabled	PIRQ x Use IRQ No.	Auto	Auto		
Chassis Intrusion	Disabled	IDE HDD Block Mode	Enabled	Enabled		
Chipset Features	Auto Configuration	Enabled	IDE Primary Master PIO IDE Primary Slave PIO IDE Secondary Master PIO IDE Secondary Slave PIO	Auto		
	EDO DRAM Speed Selection	60 ns	IDE Primary Master UDMA IDE Primary Slave UDMA IDE Secondary Master UDMA IDE Secondary Slave UDMA	Auto		
	EDO CASx# MA Wait State	2	On-Chip Primary PCI IDE On-Chip Secondary PCI IDE	Enabled		
	EDO RASx# Wait State	1	Onboard PCI SCSI Chip	Enabled		
	SDRAM Control by	SPD	USB Keyboard Support	Disabled		
	SDRAM RAS-to-CAS Delay SDRAM RAS Precharge Time SDRAM CAS Latency Time	2	Init Display First	AGP		
	SDRAM Precharge Control	Disabled	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			