

CTM80-CBX01 Rear I/O QuickStart™

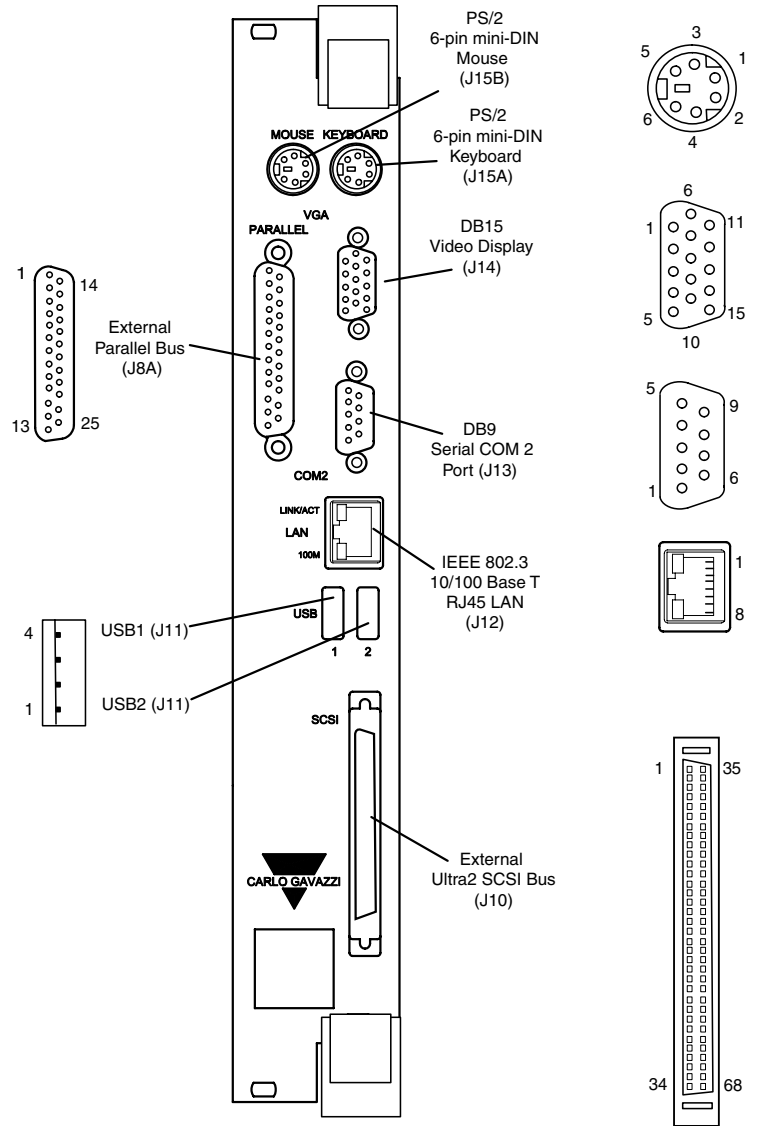
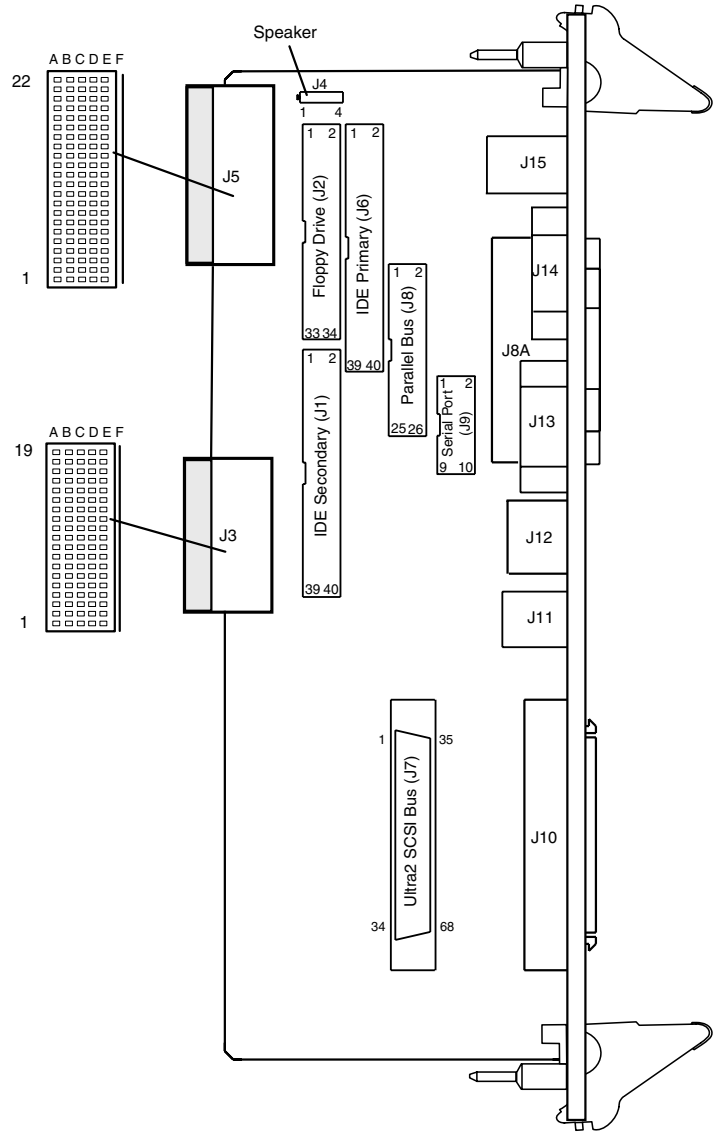
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This QuickStart card provides information to help you identify components and install the CTM80-CBX01 Rear I/O Transition Board. This document assumes that you have a working knowledge of electronic safety and ESD control procedures and that you have some experience in configuring and installing electronic components. To download the complete User's Manual from our website, or to contact our Product Support Group, see the reverse side of this card for instructions.



The CSBCPxBX Compact PCI SBC) CMOS Setup Utility provides an option that controls operation of the Rear I/O LAN connector (J12). To activate this connector, access the "BIOS Features" setup menu in the CSBCPxBX CMOS Setup Utility, select the RJ45 Front/Rear option, and choose the "Rear" setting. To use the SBC's LAN connector, choose the "Front" setting. The default is "Rear."

Pinout information for all Rear I/O connectors is available in the CTM80-CBX01User's Manual.



Installing the Rear I/O Transition Board

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 board. 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 the CTM80-CBX01 Rear I/O board:

1. Locate the slot in the chassis for the Rear I/O board and ensure that it does not contain broken or bent pins.
Refer to the CPCI backplane or chassis documentation to determine the correct slot for an 80 mm board. The board requires pass-through signals from the single-board computer (SBC). Therefore, the connectors for the Rear I/O board align with those of the SBC, but on the other side of the backplane.
2. Make sure the board's two ejector handles are in the outward (ejected) position.
3. Align the edges of the board with the chassis' slot guides and gently push the board into the chassis until the ejector latches seat in the chassis' slot rails.
4. 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 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.

IMPORTANT The Carlo Gavazzi CPCI chassis allows you to connect internal cables to the Rear I/O board after it is installed in the chassis. If you use another manufacturer's chassis, you may need to partially remove the Rear I/O board to gain access to the board's surface-mounted connectors. Refer to your chassis installation manual.

Installation is now complete. Save the shipping carton and packing materials in case you need to re-ship the Rear I/O board.

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.

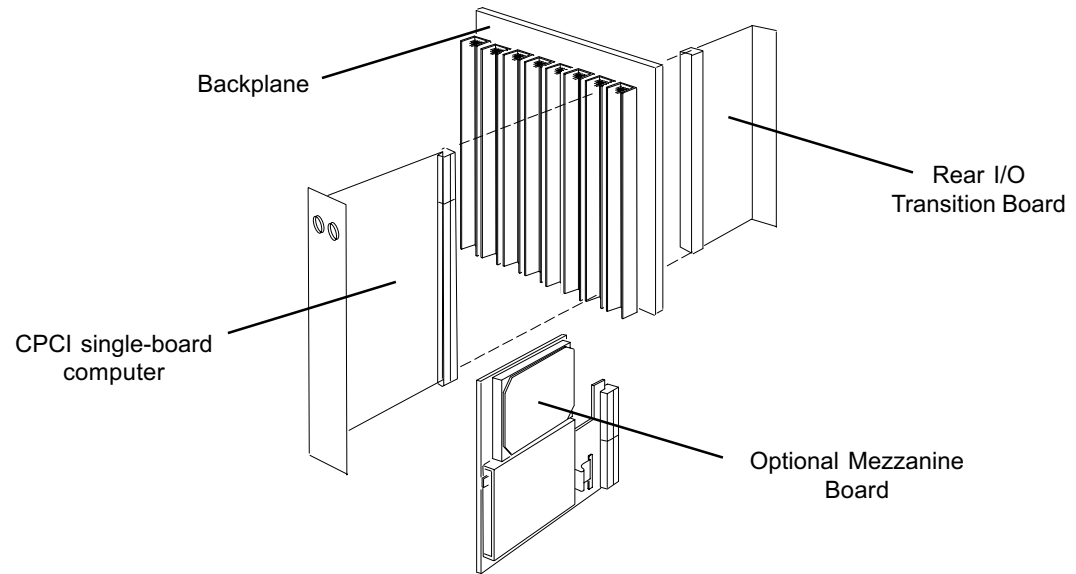
Instructions for installing software drivers are available on the Drivers download page. We also post Technical Notices, Manual Updates/Errata, and other information on our Documentation page. Check back periodically for the latest product information and drivers.

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.

Rear I/O Configuration

The following illustration shows the Rear I/O board in relation to the SBC, backplane, and optional mezzanine board.



Rear I/O Transition Board Connectors

The CTM80-CBX01 Rear I/O board provides the following connectors. Notice that some of these connectors provide an alternate method for connecting a device to the system (rather than using the connector on the SBC).

- PS2 Mouse 6-pin mini DIN (alternate connector)
- Ultra2 Wide SCSI 68-pin (internal connector)
- PS2 Keyboard 6-pin mini-DIN (alternate connector)
- IDE Primary 40-pin header
- VGA DB15 (alternate connector)
- IDE Secondary 40-pin header
- 10/100 LAN, RJ45 (alternate connector)
- Parallel Bus DB25
- COM2 Serial DB9 (external connector)
- Floppy Drive 34-pin header
- COM2 Serial 10-pin header (internal connector)
- USB1 4-pin series-A socket
- Ultra2 Wide SCSI 68-pin (external connector)
- USB2 4-pin series-A socket

Pinouts for each of these connectors can be found in the Rear I/O board's user's manual. See the procedure at left for instructions on downloading the user's manual from our website.

RJ45 LAN Connector LED Indicators

The CTM80-CBX01 Rear I/O board LAN connector features two built-in LEDs. The yellow LED indicates LAN activity or link integrity, and the green LED indicates a transfer-rate setting of either 10 Mbps or 100 Mbps. This LAN interface automatically sets its transfer rate and operation mode to match the connecting network. The table below lists the on, off, and flashing state of the LEDs and what they indicate.

Link/ Activity (Yellow)	100M (Green)	Indicates
Off	Off	No link established
On	Off	10 Mbps link established
On	On	100 Mbps link established
Flashing	Off	10 Mbps data transfer
Flashing	On	100 Mbps data transfer

Technical Specifications

	Operating	Non-Operating
Ambient Temperature	0 °C to 60 °C (32 °F to 140 °F)	-40 °C to 70 °C (-40 °F to 104 °F)
Relative Humidity	15% to 85%, non-condensing	15% to 85% non-condensing
Elevation	3,048 m (10,000 ft.)	12,192 m (40,000 ft.)
Shock	Meets IEC 68-2-27 requirements	
Vibration	Meets IEC 68-2-6 requirements	
Size	233 mm x 80 mm x 61 mm (9.2 in. x 3.1 inc. x 2.4 in.)	
Weight	0.43 kg (15 oz.)	