

# CICP2800PMBD Base Processor PC Board CICP18MEM8MB SRAM 8MB Memory Module Installation Instructions

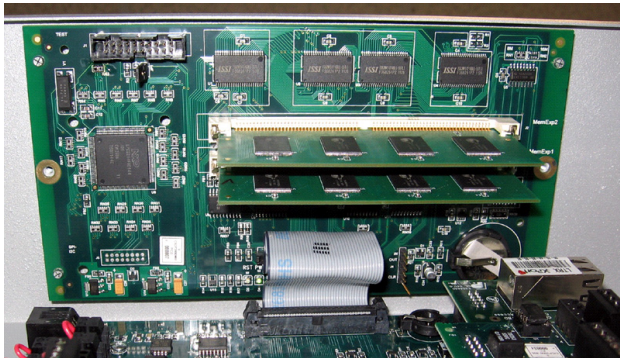


Fig 1.: CICP2800PMBD Base Processor PC Board with two CICP18MEM8MB SRAM Memory Module(s) installed

## OVERVIEW

The **CICP2800PMBD Base Processor PC Board** is installed into four metal standoffs located at the top of the Accelaterm enclosure, and is connected to the Accelaterm Interface PC board with a ribbon cable. Optionally, up to two model CICP18MEM8MB 8MB SRAM Memory Module(s) can be installed into the CICP2800PMBD Base Processor. See installation instructions WI1989 for more information regarding the installation of the Accelaterm control panel.

## CICP2800PMBD REMOVAL AND INSTALLATION



Prior to opening the CICP2800PMBD Base Processor package or touching anything inside the control panel enclosure, discharge any static electricity from your body or clothing. Use a grounded wrist strap or touch an unpainted, grounded metal object such as the metal frame of the panel enclosure.

1. Remove power from the system, and disconnect the batteries.
2. Unplug the ribbon cable from the existing CICP2800PMBD PC board.
3. Pinch each of the four (4) metal standoffs one at a time until the PC board is free. Carefully remove the CICP2800PMBD from the enclosure.
4. Align the four (4) mounting holes in the new CICP2800PMBD PC board with the four (4) metal standoffs, and push the PC board into the standoffs to secure. Connect the ribbon cable.
5. Activate the Memory Backup Lithium Cell by removing the small paper from the cell holder. The voltage provided will ensure memory data is retained should power be lost from the Accelaterm Interface PC board.

6. Restore power to the system, and reconnect the batteries.  
**Note:** If desired, up to two model CICP18MEM8MB 8MB SRAM Memory Module(s) can be installed into the CICP2800PMBD Base Processor PC board *before* the CICP2800PMBD board is installed into the Accelaterm panel enclosure. *NEVER use standard PC-type 72 pin Dynamic RAM SIMM devices in place of the CICP18MEM8MB Memory Modules.*

## CICP18MEM8MB SRAM INSTALLATION



Prior to opening the Memory Module package or touching anything inside the control panel enclosure, discharge any static electricity from your body or clothing. Use a grounded wrist strap or touch an unpainted, grounded metal object such as the metal frame of the panel enclosure.

1. Before installation, verify that the Accelaterm panel is working correctly. Verify that the OK lamp (LED) on the Accelerator board blinks once per second.
2. Inside the panel housing, remove power from the main control panel PCB and disconnect the battery wires to remove all power from the system.
3. Move the MEMORY BACKUP CELL jumper J4 to the IN position to remove power from the static RAM, thus making installation safer for the memory components (see Fig. 2).

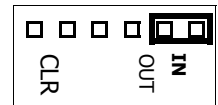


Fig. 2: "IN" Position

4. **Note:** Do not bend the Memory Module(s). Touch only the edges.  
 The motherboard sockets and the Memory Modules are both keyed to ensure foolproof installation (each socket in the CICP2800PMBD Base Processor PC Board contains a small bridge that aligns with a notch in the bottom edge of each module). The bridge and the notch allow the Memory Module to be installed only in the correct direction.
  - If installing only one Memory Module, insert the module into the bank labeled "MemExp1".
  - If installing two Memory Modules, insert the first module into the bank labeled "MemExp2", then insert the second module into the bank labeled "MemExp1".
5. **Align the Memory Module:** With the module angled to the rear of the enclosure, align the module with the socket, then completely insert the module into the socket as shown in Fig. 3, below. If you encounter any problems inserting the module, stop and verify the **notch** and the plastic **bridge** are properly aligned. **NEVER** force the Memory Module into the socket; if excess force is used, damage to both the module and the motherboard socket could result.

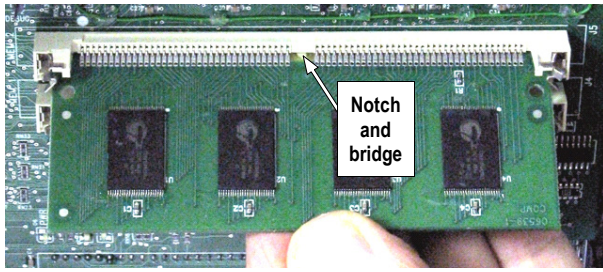


Fig. 3: Align the module.

**Seat Memory Module:** Gently pull the module to the front of the enclosure (towards you) until the "ejector clips" at each end of the socket "click" into place, securing the module (see Fig. 4, below).

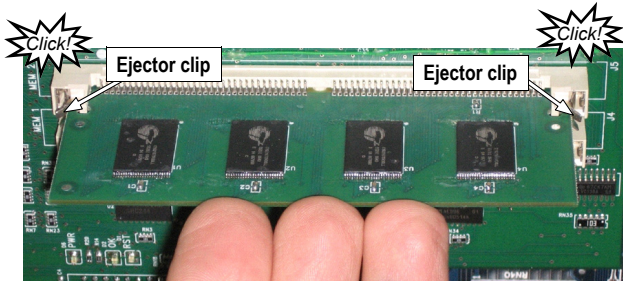


Fig. 4: Seat the module.

7. Re-connect power to the main Accelaterm Interface board and reconnect battery power. Verify that the OK lamp (LED) on the Accelerator board blinks once per second.

**Note:** Be sure the MEMORY BACKUP CELL jumper is in the IN position to provide memory data retention (see Fig. 2)..