

Tech Note

#119 Matrix CPU Boards



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Replacing the CPU board in the **intelix** 2U matrix chassis

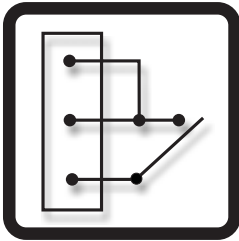
If it becomes necessary to replace the main CPU board in an **intelix** matrix housed in the 2U chassis, follow the directions below.

Removing the Old CPU Board

- 1) Power down the matrix.
- 2) Turn the matrix upside down on a work bench and remove the ten Phillips screws from the bottom. Set the bottom aside.
- 3) From the rear panel, remove the hex capture screws from the DB9 and DB25 connectors. There are a total of four screws.
- 4) Remove the two Phillips screws holding the CPU board to the standoffs inside the chassis. **Do not remove the standoffs.**
- 5) Take careful note of the positions and the number of IPB cables plugged into the CPU board and disconnect them.
- 6) Take note of the position of the power cable on the CPU board and disconnect it.
- 7) Lift the CPU board out of the chassis and set it aside.

Installing the New CPU Board

- 1) Remove the hex capture nuts for the DB9 and DB25 connectors on the new board.
- 2) From inside the chassis, insert the new board's connectors through the rear panel.
- 3) Reinstall the hex capture nuts on the two connectors.
- 4) From inside the chassis, install and tighten the two Phillips screws through the new CPU board into the two standoffs.
- 5) Replace the IPB and power cables in the new board. **Note:** All IPC connectors are electrical parallel, so any IPB cable can go in any connector. The power cable must go in the connector from which you took it.
- 6) Replace the bottom of the chassis by inserting and tightening the ten Phillips screws.
- 7) Power up and test the matrix.



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Illustration of an Intelix CPU Board

