Errata 3

Manual: 18782

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1. Reference: Page 1 - 3, Chapter 1

The referenced information (chapter) is revised as follows.

The following section is added on page 1 - 22:

1.9 Power Supply

The power supply shall be unconditionally stable under line, load, unload and transient load conditions including capacitive loads. The operation of the power supply must be consistent even without the minimum load on all output lines.



Note ...

Non-industrial ATX PSUs require a greater minimum load than a single CP312 is capable of creating. When a PSU of this type is used, it will not power up correctly and the CP312 may hang up. The solution is to use an industrial PSU or to add more load to the system.



Note ...

If the main power input is switched off, the 3.3V supply voltage will not go to 0V instantly. It will take a couple of seconds until capacitors are discharged. If the voltage rises again before it went below a certain level, the circuits may enter a latch-up state where even a hard RESET will not help any more. The system must be switched off for at least 3 seconds before it may be switched on again. If problems still occur, turn off the main power for 30 seconds before turning it on again.

For further information on power requirements, contact Kontron Modular Computers' Technical Support.

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