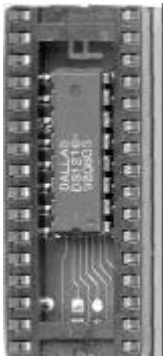


## Identifying the Real-Time Clock Option

**This Tech Note is only for the identification of the Real-Time Clock (-CLK) option if other means were unable to determine so. (Purchase orders, shipping receipts, etc.) This Tech Note will outline how to identify if you have a -CLK chip installed either through software means or physical identification by opening the unit. (The first method is highly preferred.)**



Identifying if your Eason Unit has the Real-Time -CLK option chip is the first step in either performing maintenance on the suspect chip, or determining whether further investigation is warranted in determining Year2000 compliance. If you find that your unit does NOT have a clock chip, issues surrounding Year 2000 are not applicable. Finding your Eason unit DOES have a clock chip will then direct you to the next step of examining the end user generated code to determine Year 2000 Compliance. **See Eason Tech Note #40 for more information about our products and the issues surrounding Year 2000.**

The above picture to the left is of a -CLK option chip to help you correctly identify it. Take careful note of the product you are investigating, either a Model 1000 or 1100, as the -CLK option will be mounted in a different chip location depending on model.

### **SOFTWARE IDENTIFICATION:**

Attach an external XT keyboard to the Eason Unit, and hit CTRL-C to break the executing program.  
-OR- hook up the unit to your PC, and with our Builder software, execute a Utility|Reset Series 1000.  
Either method will bring you to the BASIC prompt.

If you used the second method via PC, enter the Utility|Terminal mode. (you may have turn REMOTE ON in the Eason)

Now type on your PC or attached XT keyboard:

**CALL RDCLOCK(date\$,day,atime\$) <return>**

then type:

**PRINT date\$,day,atime\$ <return>**

If your result is a valid date, day, and time such as: 10/19/98 Monday 11:53:06, then you have a working clock chip. Remember the date may not be correctly set, but if it comes back in that valid format, you have a -CLK chip.

If your result is null, such as: 00/00/00 0 00:00:00, then you have no -CLK chip in your Eason Unit.

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**PHYSICAL IDENTIFICATION:**

- 1 Remove power connections to the unit.
- 2 Carefully unscrew the top two screws and each of the screws on the side of the unit.
- 3 Lay the unit face down on a soft, clean surface.
- 4 Remove the rear cover by carefully lifting it off the unit, unplugging the option ribbon cable (J2) if necessary.
- 5 Position the cover to the side of the unit, being careful not to stress the internal cables.

**MODEL 1000**

The -CLK option chip will be located on the main motherboard of the Eason Unit, at location chip socket location U7. This location is in the upper left hand corner of the motherboard directly above the battery.

For units with the old grey display, U7 is 3rd large chip socket from the left.

On newer cathode backlit displays, U7 is the 2nd large chip socket from the left.

**MODEL 1100**

The -CLK option chip will be located on the main motherboard of the Eason Unit, at location Chip location U9. This location is in the upper left hand corner of the motherboard directly above the battery. On the Model 1100, socket U9 is the left most chip in the upper left hand corner of the motherboard.

7. Reconnect the option cable, if necessary, then replace cover and cover screws.
8. Re-connect power to the unit. If the display does not come up displaying the sign-on message, remove power and **IMMEDIATELY** review the cable connections.