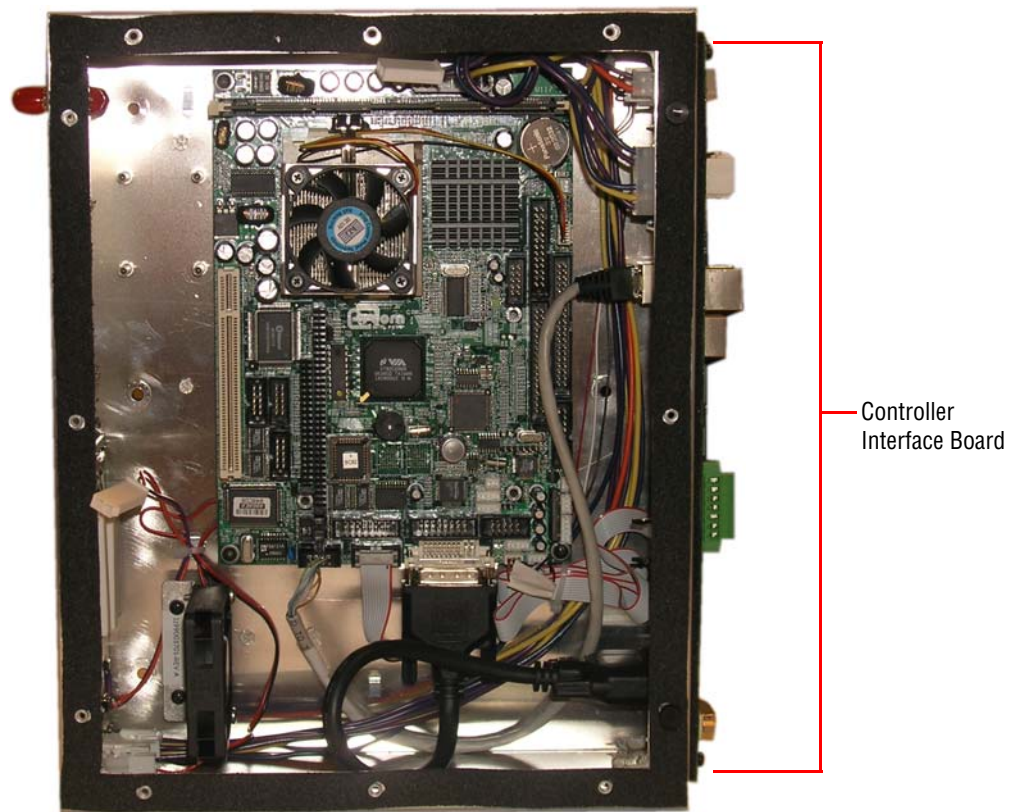


## Ethernet Controller (pn 1199221301SP, 1199221301SP)

### About the Ethernet Controller

The Ethernet Controller is used in 23mm AlphaEclipse Excite signs to manage communication between the computer and the sign.

Ethernet Controller, includes the Plexiglas cover (not shown)



### Equipment Needed

You will need an 11/32-inch nut driver and a 5/32-inch hex tool (pn 68117076).

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Due to continuing product innovation, specifications in this manual are subject to change without notice.

## Installation instructions

**WARNING!** Hazardous voltage. Contact with high voltage may cause death or serious injury. Always disconnect power to unit prior to servicing.

**NOTE:** Observe appropriate precautions to prevent electrostatic discharge (ESD) or “static” damage to the replacement part. For safe handling of ESD-sensitive parts, see TechMemo #00-0005.

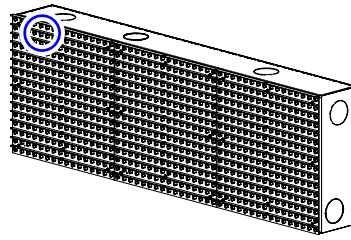
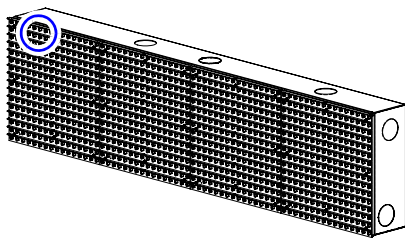
**1**

**Disconnect all power to the sign at the power source.**

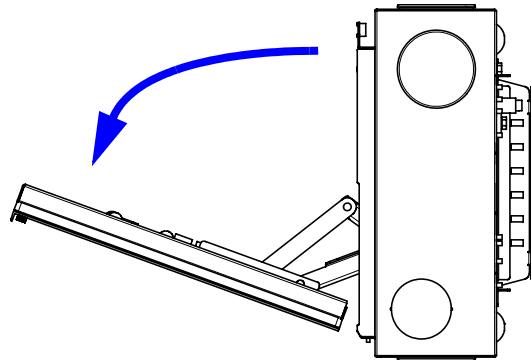
**2**

**Open the controller section door (bottom left-most section):**

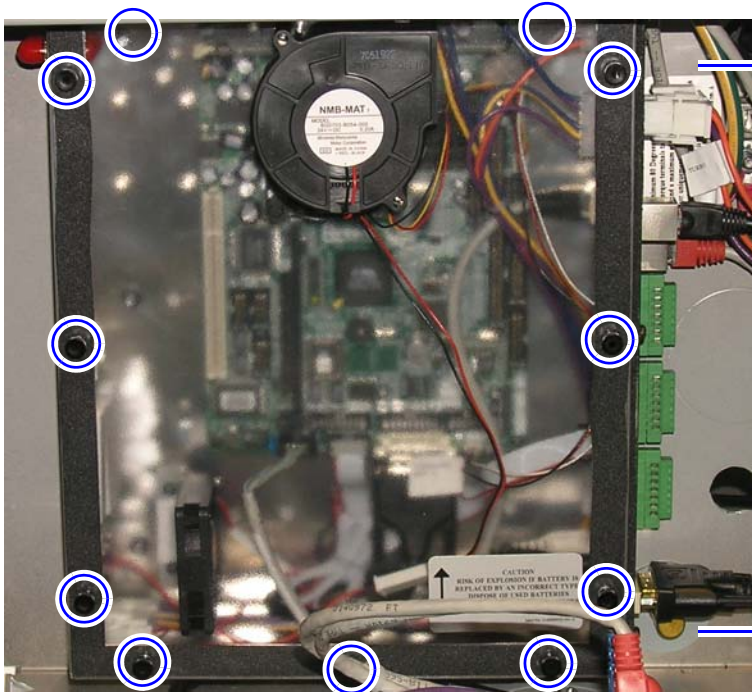
Using a 5/32-inch hex tool to open the section door lock, turn counterclockwise and then pull the door toward you.



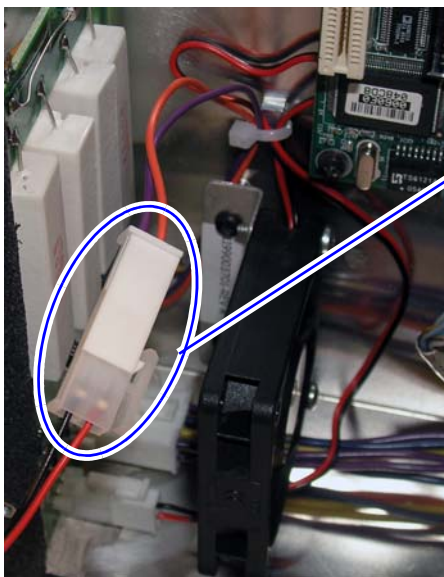
5/32-inch hex tool  
(pn 6811-7076)



Open the door slowly to prevent damage to internal components.

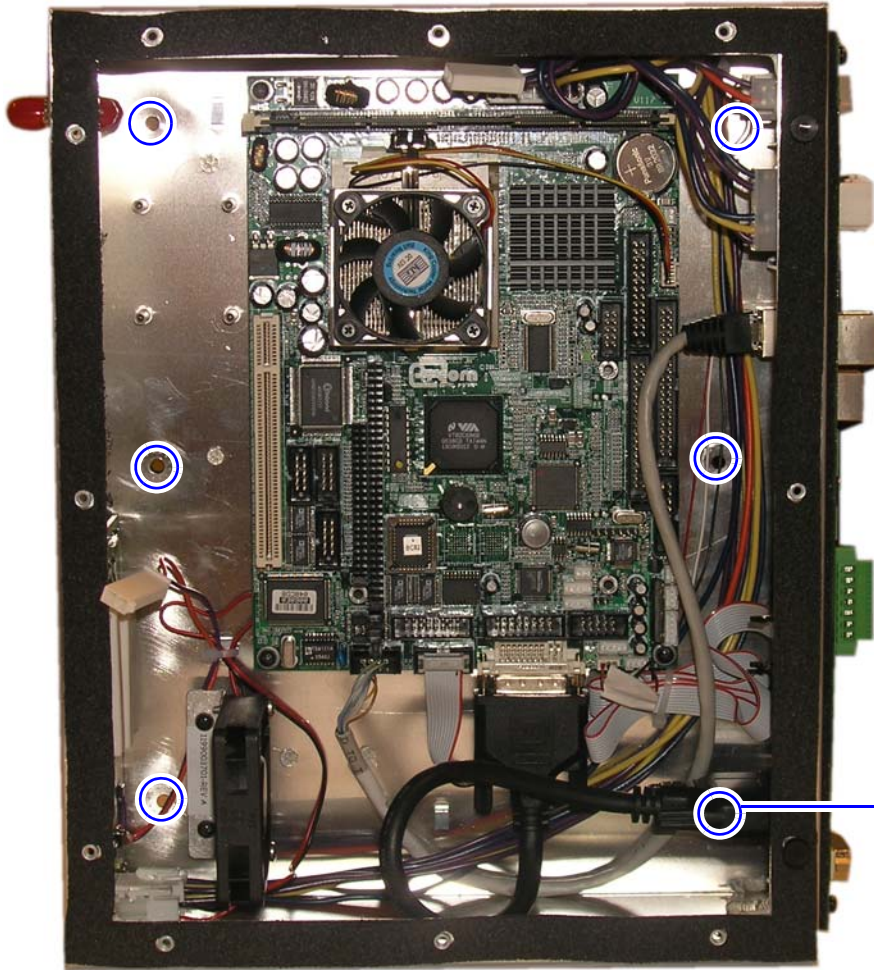
**3****Disconnect the cables from the Ethernet Controller and remove the screws from the Plexiglas cover:**

- A.** Disconnect all cables from the Controller Interface Board.
- B.** Remove thumb screws (circled) and gently pull off the Plexiglas cover.

**4****Disconnect fan:**

- A.** Disconnect fan cable.
- B.** Set Plexiglas cover aside.

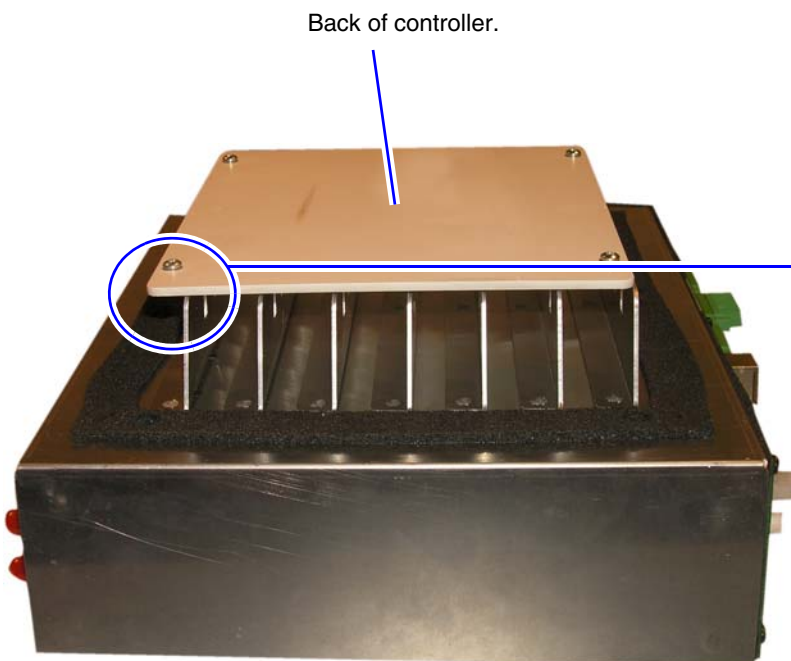
## 5 Remove the six nuts:



Remove the nuts (circled), using the 11/32-inch nut driver.

**Note:** You may need to disconnect the DVI cable to access this nut.

## 6 Pull out the controller.



**Note:** Make sure there are no cables between the bottom of the controller and the bottom of the sign.

**Note:** If the controller doesn't slide right out, the lip (circled here) may be caught on the back of the sign. Slide the controller as far to the right as possible and try pulling out again.

**7**

**Remove the Plexiglas cover from the new controller and insert the new controller where the old controller was.**

**8**

**Attach the nuts using the 11/32-inch nut driver.**

- See Step 5 for locations.
- If you disconnected the DVI cable, reconnect it after attaching the nuts.

**9**

**Connect the fan cables.**

See Step 4 for picture.

**10**

**Attach Plexiglas cover and the thumb screws.**

See Step 3 for locations.

**11**

**Reconnect cables to the Controller Interface Board.**

See Step 3 for locations.

**12**

**Close the section door and apply power to the sign.**

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