Installation Guide

Wyse® D Class 4-GB RAM Upgrade Option Kit

Products: D90D7, D90DW

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1 Introduction

This guide provides step-by-step instructions to upgrade the RAM in the following Wyse D class thin clients:

- D90D7
- D90DW

Kit Contents

The kit includes a *RAM module*.

Kit Warranty

The warranty on this kit assumes the remaining months of warranty of the thin client in which it is installed, or for 90 days, whichever is greater. Installation of this kit will not void the factory warranty, however the user will be responsible for damage due to improper installation.

Wyse Technical Support

To access Wyse technical resources, visit http://www.wyse.com/support. If you still have questions, you can submit your questions using the Wyse Self-Service Center at http://support.wyse.com/selfservice.html or call Customer Support at 1-800-800-WYSE (toll free in U.S. and Canada). Hours of operation are from 6:00 A.M. to 5:00 P.M. Pacific Time, Monday through Friday.

To access international support, visit http://www.wyse.com/global.

Related Documentation and Services

Fact Sheets containing the features of hardware products are available on the Wyse Web site. Go to http://www.wyse.com/products and use the *Cloud clients* tab to locate and download the Fact Sheet for your hardware product.

Administrator and other documentation for your cloud client model are available at: http://www.wyse.com/manuals.

Wyse Online Community

Wyse maintains an online community where users of our products can seek and exchange information on user forums. Visit the Wyse Online Community forums at: http://community.wyse.com/forum.

2 Installing D Class RAM

This chapter contains information for users of Wyse D class thin clients who must install new RAM.

Requirements

- Small Phillips screwdriver
- (Optional) Container for holding screws

WARNING: RAM modules may be susceptible to damage by Electro-Static Discharge (ESD). All industry-standard cautions should be followed to avoid ESD. Before you remove or install a module, touch any metal part of the chassis and keep that contact with the chassis during the installation process.

Procedures

CAUTION: Follow all precautions listed in the Quick-Start Guide that came with your thin client for disconnecting and reconnecting the thin client.

1. Perform a proper shutdown of the thin client by closing all files and ending your session, and then pressing the power button to turn off the thin client.
2. Unplug the power cord and power adapter, and remove any other cables from the thin client, and detach the vertical foot.
3. Position the thin client horizontally, where the Wyse logo-side with four flat screws is facing downward. Using the Phillips Screwdriver, remove the three screws from the cover along the back panel edge as shown in Figure 1.

Figure 1 Removing the cover screws

4. Place your thumbs on the top surface of the opposite end where the three screws were removed. With a continuous motion, push firmly downward and towards the back panel (pushing down unlatches the hooks under the cover). The cover will shift approximate 1/4 inch to hang over the back panel. **(a)** Grasp the overhanging cover edge and raise the edge about 1-1/2 inches, and then **(b)** pull the cover out towards the back panel at the same angle to free the opposite end of the cover from the remaining hooks, as shown in Figure 2.

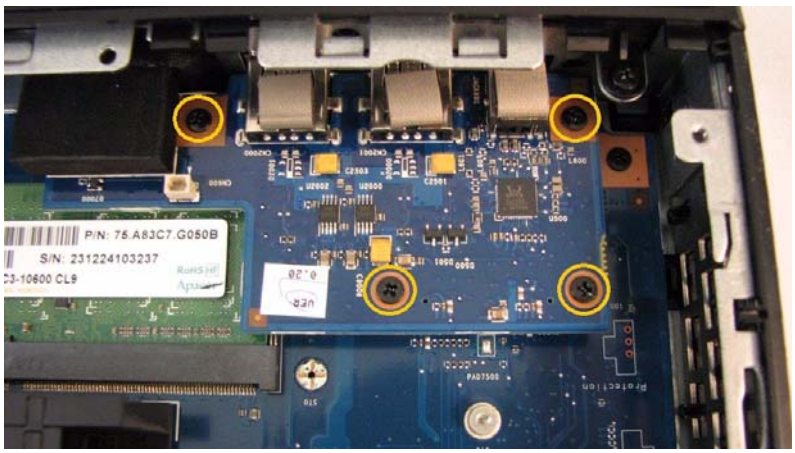
Figure 2 Removing the cover

5. Remove the cover to expose the main-board shield.

Figure 3 Main-board shield

6. Using the Phillips Screwdriver, remove the five screws from the main-board shield (four corner screws and one screw mid-way along the front edge). Remove the main-board shield and unplug the speaker wire (red wire) to expose the main board, Audio board, and RAM module as shown in Figure 4.

Figure 4 Audio board and RAM module



7. Remove the Audio board (four screws) to expose the RAM module, as shown in Figure 5.
   CAUTION: Carefully lift the Audio board as the bottom of the Audio board is attached to a connector.

Figure 5 Inserting RAM module

8. Unlock the two locking clamps at either side of the original RAM module, remove the original module, and replace the original module with the new RAM module.
   WARNING: RAM modules may be susceptible to damage by Electro-Static Discharge (ESD). All industry-standard cautions should be followed to avoid ESD. Before you remove or install a module, touch any metal part of the chassis and keep that contact with the chassis during the installation process.
9. Carefully press down on the RAM module until the locking clamps lock it into place.
10. Replace the Audio board (four screws).
    CAUTION: Carefully align and attach the bottom of the Audio board to the connector *before* tightening the screws.
11. Replace the speaker wire (plug in red wire) and the main-board shield (five screws).
12. Replace the cover in the reverse order as described in step 4 (align the cover screw tabs with the screw holes and slide the cover toward the front of the thin client).

13. Attach the cover screws in the reverse order as described in step 3.
14. Connect the power cord and power adapter, attach any other cables to the thin client, attach the vertical foot, and then press the power button to turn on the thin client.
15. After the thin client reboots, you can verify that your general client information (the *Client Information* dialog box information) is correct (that the new RAM is correctly recognized by the system—you will see an increase relative to your previous amount and system usage). After verification, the thin client is ready for operation and setup by an administrator.
    TIP: Administrator and other documentation for your thin client model are available at: http://www.wyse.com/manuals.

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