**IMPORTANT:** PRIOR TO UPGRADING YOUR IPRISM 105H APPLIANCE - YOU MUST COMPLETE THE FOLLOWING STEPS. YOUR SOFTWARE UPGRADE WILL NOT WORK IF YOU HAVE NOT COMPLETED THESE STEPS

1. Upgrade your memory – To determine the proper memory please reference knowledge base article: [iPrism 8.001 Memory Upgrade Requirements – h series](#)
2. Change your BIOS settings

### Memory Upgrade Procedure for a 105h

**Initial Preparation**

Properly shutdown your iPrism. Once it’s halted disconnect iPrism and place on a table or workbench.

**IMPORTANT:** ELECTRO-STATIC DISCHARGE (ESD) CAN DAMAGE ELECTRONIC COMPONENTS. PLEASE UTILIZE THESE PRECAUTIONS.

Make sure that you are working in a static-safe environment. Remove any plastic bags or papers from your work space.

1. Shut down your system and make sure the power is completely off.
2. After disconnecting the power cords, discharge residual power by pressing the power button.
3. It is recommended to use a grounded wrist strap designed to prevent static discharge.
4. Touch a grounded metal object before removing the module from the antistatic container.
5. Handle memory modules by its edges only; do not touch its gold contacts.

**Remove the chassis lid**

1. Remove the holding screw(s) from the side of the iPrism holding the chassis lid in place. Most 105h iPrism appliances have either one or two screws on each side.

2. To remove the chassis lid press down on the buttons to release the tabs holding the lid. Please be careful not to press the tabs too far down as this will bend them out of place and the lid may no longer properly latch.
3. Pull back the lid and remove.

4. Next remove the plastic air flow guide, making note of the direction it’s installed. It only fits properly in one direction. The chassis lid will not fit if the air flow guide is installed backwards and or not seated properly.
Install Replacement Memory

1. Press down on the white tabs holding the current memory modules in place and remove the modules.

2. Next remove the new memory modules from their containers using the Electro-Static Discharge (ESD) Precautions mentioned in the beginning of this document.

3. The new modules go into the 2 Blue slots (where the original modules were) and the 2 slots adjacent to the Blue slots.

4. Please take careful note of the slots and install in the correct slots.
5. This is what you should have

![Image of the module setup]

6. Position the module's bottom key so it aligns with the receptive point on the slot.

![Image of module alignment]

7. Be sure the lock/release tabs are back.

8. Insert the modules vertically and press down until the module snaps into place. You will likely need to press firmly but if the module seems to need lot of force, check to be sure the module is properly aligned with the slot.

![Image of module insertion]
9. When the module is properly inserted the lock/release tabs will automatically secure the module in place.

10. Repeat this for the second Blue slot.

Replace the Chassis Lid

1. Replace the plastic air flow guide making sure it's in the proper direction and seated properly.
2. Replace the chassis lid and reinsert the holding screw(s).
BIOS Change Procedure for a 105h

**IMPORTANT:** DO NOT MAKE ANY OTHER BIOS CHANGES AS THAT WILL LIKELY CAUSE YOUR IPRISM NOT TO WORK OR NOT WORK CORRECTLY.

Enter BIOS

1. Connect a keyboard, monitor, and power cords to the iPrism.
2. Turn on the iPrism (if it doesn't start on its own).
3. Watch for the SuperMicro logo to appear on your monitor and then press “Delete” several times to access the Motherboard BIOS.
4. It will take a few minutes for your iPrism to power up.
5. Please do not enter the 3-ware RAID card BIOS.
6. You will come up to the BIOS Setup Utility.
BIOS Change

1. Next navigate to the “Advanced” page using the arrow keys on your keyboard.
2. Use the down arrow on your keyboard to select “Processor & Clock Options” and press “Enter”.

![BIOS Setup Utility Screen](image-url)
3. Use the down arrow to select “Intel (R) Virtualization Tech”. Press “Enter” and select “Enabled” using the down arrow. Then press “Enter” to select “Enabled”.

![BIOS Setup Utility](image-url)
4. Press the “Escape” key until you get back to “Advanced” page.
5. Use the down arrow on your keyboard to select “Advanced Chipset Control” and press “Enter”.
6. “Memory Remap Feature” should already be highlighted in white. If not use the keyboard arrows to select it. Press “Enter” and select “Enabled” using the down arrow. Then press “Enter” to select “Enabled”.

![BIOS Setup Utility screenshot](image-url)
7. Press the “Escape” key until you get back to the menu at the top.
8. Navigate to “Exit”. “Save Changes and Exit” should already be highlighted in White. If not use the keyboard arrows to select it and press “Enter”.

9. Power off the iPrism [IMPORTANT this is required for the change to take effect]
Verify Memory Size in BIOS

1. Restart iPrism
2. Watch for the SuperMicro logo to appear on your monitor and then press “Delete” several times to access the Motherboard BIOS.
3. It will take a few minutes for your iPrism to power up.
4. Please do not enter the 3-ware RAID card BIOS.
5. You will come up to the BIOS Setup Utility. Confirm that the “System Memory” is now 8 GB.
6. Navigate to “Exit”. “Save Changes and Exit” should already be highlighted in White. If not use the keyboard arrows to select it and press “Enter”.

7. Power off the iPrism.

This completes the memory upgrade and BIOS change procedure for your iPrism 105h appliance.