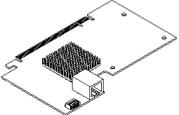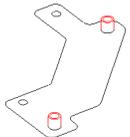# V5120 Dual Host Card Upgrade Kit for R1350 Blades
Quick Start Guide

CLEAR CUBE

The V5120 Dual Host Card Upgrade Kit for R1350 blades contains the following items:

	V5120 Dual Host card—Provides dual–monitor support.
	Mounting bracket—Connects to motherboard and to V5120 video card to support the card.
	Mounting hardware—Two 6–32 pan–head screws and two male–female standoffs.
VIDEO V5120 CONFIGURATION P/N: ######## XXX IIIIIIIIIIIIIIIIIIIIIIII S/N: ############## IIIIIIIIIIIIIIIIIIIIIIII MAC: ############## IIIIIIIIIIIIIIIIIIIIIIII	**Video V5120 configuration label**—Provides part number, serial number, and card MAC address. MAC address is critical for card and blade configuration.

Note: The upgrade kit is for R1350 blades only.

Installing the V5120 Dual Host Card

Perform the following steps to install the V5120 upgrade kit. Use a #2 Phillips head screwdriver and a ¼–inch hex–head wrench.
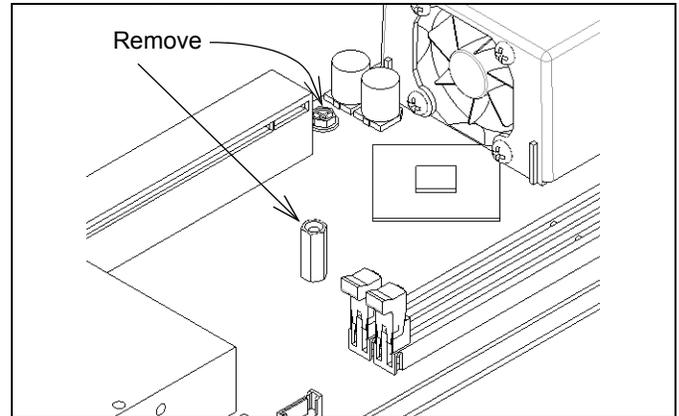
CAUTION: Handle components and cards carefully. Hold cards and memory modules by their edges and do not touch their components or contacts. Use a personal grounding device to prevent electrostatic discharge before and while installing this upgrade kit.

1. Remove the R1350 blade from the chassis. If the blade is not in a chassis, ensure that you disconnect power from the blade.

2. Remove memory modules and cables to ease access to the PCI Express® (PCIe®) video card socket.

   a. Place the blade on a stable surface. Carefully remove both memory modules by pressing out on the **retaining latches**. Place the memory modules on a dissipative surface, such as the anti-static bag that the V5120 card is shipped in.

   b. Remove the **SATA data cable** and the **hard disk power cable** from the hard disk drive and motherboard.

3. If the R1350 blade does not contain a video card, skip this step and continue to step 4.

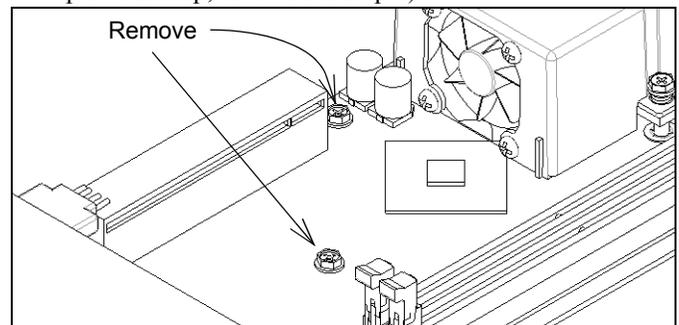   If an NVIDIA® Quadro®4 video card is installed in the blade, remove the video card.

   a. Remove the **screw** from the center of the video card and save the screw for later use.

   b. Grasp the **video card** by the edges. Carefully remove the card by pulling it out of the PCIe socket. Store the card in an anti-static bag.

   c. Remove the **standoff** and the **hex–head screw** shown in the following figure (do not use this standoff in the following step).
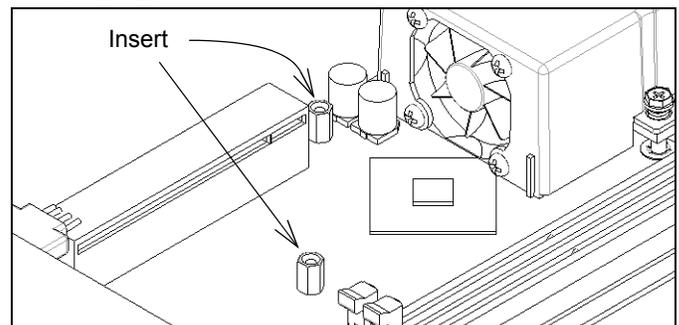

4. Remove screws and insert standoffs.

   a. Remove the two **hex–head screws** shown in the following figure (if you removed a video card in the previous step, continue to step b).
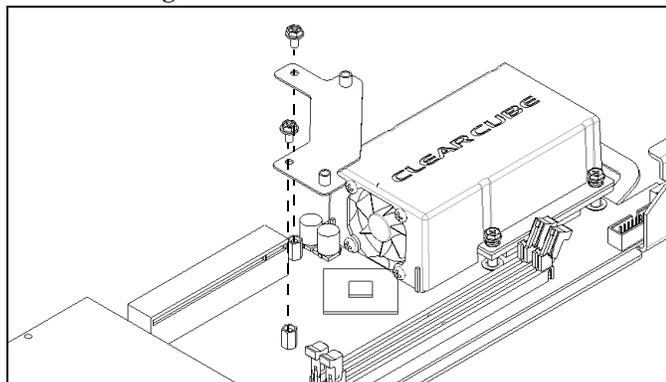

   b. Insert the two **standoffs** (included in the kit) in the same holes. Use a hex–head wrench to gently tighten the standoffs.
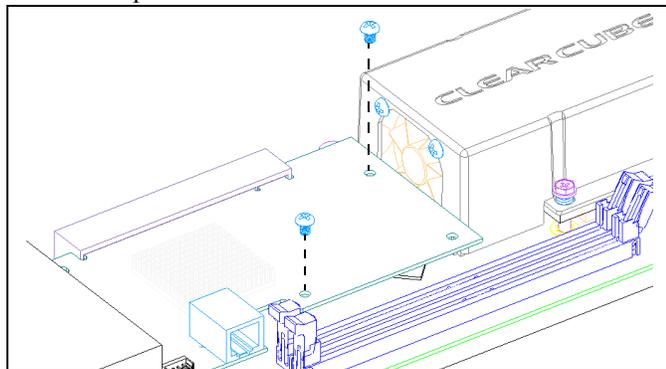
5. Using the screws you removed in the previous step, secure the **mounting bracket** to the standoffs.
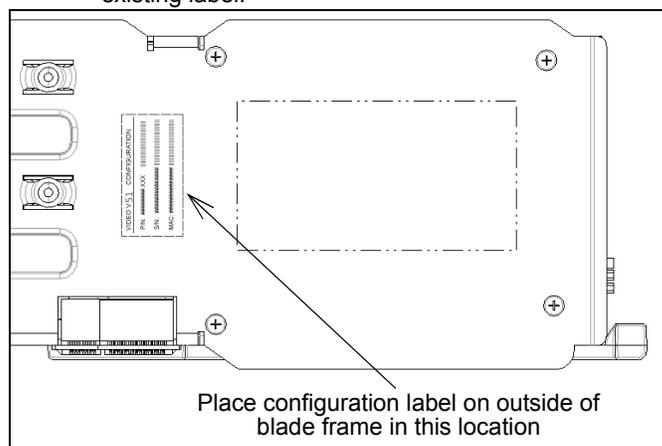

6. If there is a plastic dust cover in the PCIe socket, remove the **dust cover**.

7. Grasp the **V5120 card** by the edges, ensuring that the RJ-45 port is facing up. Carefully lower the V5120 card into the blade and insert the card's gold fingers into PCIe socket. Press in firmly to seat the card. Ensure that the holes in the card are aligned with the standoffs.

8. Secure the **V5120 card** to the mounting bracket using the two 6–32 pan–head screws included in kit.

9. Replace the **memory modules** and reconnect the **SATA data cable** and the **hard disk power cable** that you removed in step 2.

10. Remove the backing from the **V5120 configuration label** included in the kit and place it on the outside of the R1350 blade frame.

> **Note:** If a video card configuration label is already on the blade in the indicated location (for example, if you are replacing or upgrading an existing V5120 or V5140 card), ensure that you remove the old label before applying the label in the upgrade kit. If you cannot remove the old label, place the new label on top of the existing label.

Place configuration label on outside of blade frame in this location

After installing the V5120 card kit and reassembling the blade, replace the blade in a cage. If the blade is a standalone blade, reconnect power to the blade.

See *R–Series Data Center Products Reference Guide* for more information about the R1350 blade and V5120 Dual Host card.

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