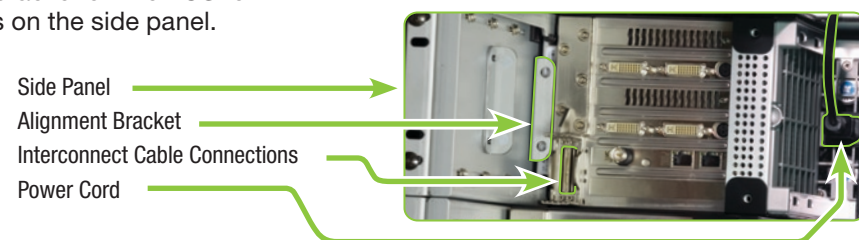10. Slide the VCS onto the side bracket installed in the cabinet in Step 2. Be sure to line up the alignment bracket on the VCS to the alignment pins on the side panel.

Side Panel
Alignment Bracket
Interconnect Cable Connections
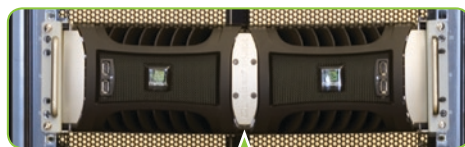Power Cord

11. Connect the power cord to the VCS.

12. Secure the VCS to the rack and side panel using the two (2) thumb screws provided in the kit.

13. Rotate the NVIDIA logo on the front VCS bezel.

If you are installing one VCS into the rack, go to Step 16. If you are installing a second VCS into the rack next to the first VCS, you need to continue with Step 14.
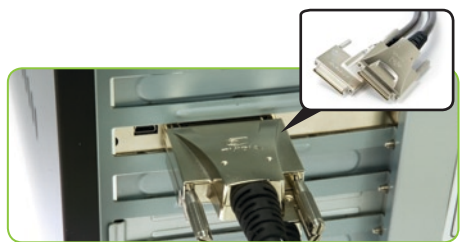
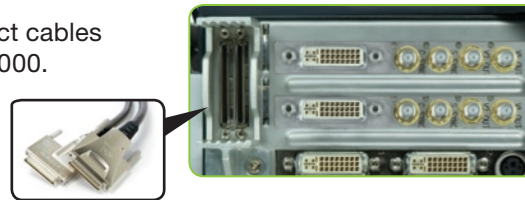**14.** Prepare the second VCS by following steps 1 through 13.

15. Install the mid-cap between the two VCSs in the rack using the four (4) screws provided.

Mid Cap

16. Connect the two NVIDIA Quadro Plex interconnect cables supplied with the NVIDIA Quadro Plex 1000 to the exposed connectors of the NVIDIA Quadro Plex interface card that is installed in the host system.

17. Connect the other end of the interconnect cables to the back of the NVIDIA Quadro Plex 1000.

Note: There is no specific order when connecting the interconnect cables between the host system and the NVIDIA Quadro Plex 1000.
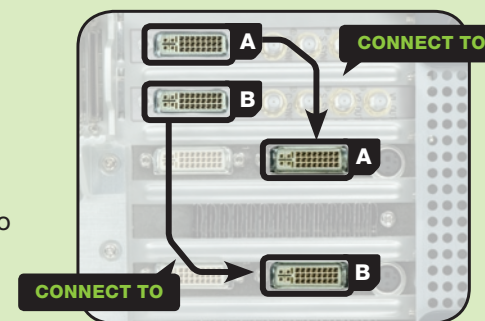
18. Connect the USB cable supplied with the NVIDIA Quadro Plex 1000 from the NVIDIA Quadro Plex interface card in the host system to one of the USB connectors on the back of your host system. This enables the USB ports on the NVIDIA Quadro Plex 1000.

19. Connect the DVI cable from the monitor to one (1) of the four (4) DVI connectors on the two graphics cards in the NVIDIA Quadro Plex 1000. Normally, the active DVI connector is the left most bottom connector.

Note: When connecting one monitor to the NVIDIA Quadro Plex 1000, the active display connector is specified by your motherboard and SBIOS. This means that there is no standard way to determine which DVI connector on the NVIDIA Quadro Plex 1000 is active when connecting one monitor. In most cases, the active DVI connector would be the left-most, bottom connector.

Model III Only

Connect one end of the DVI cable to the DVI connector on the NVIDIA Quadro SDI option board, and the other end to the north DVI connector on the NVIDIA Quadro FX 5500 GPU (A to A and B to B in the diagram). The cable must be connected to the north DVI connector. The NVIDIA Quadro SDI will not work properly if the cable is connected to the south DVI connector.

A
B
CONNECT TO
A
B
CONNECT TO

Refer to NVIDIA Quadro Plex 1000 Installation Guide for instructions on installing the Drivers in a Windows or Linux environment.

NVIDIA Corporation | **2701 San Tomas Expressway, Santa Clara, CA 95050** | **www.nvidia.com**
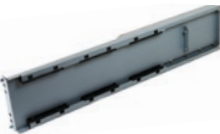
NVIDIA
QUADRO PLEX
1000

Rack Mount Instructions

Unpacking

Unpacking the NVIDIA Quadro Plex Rack-mount Kit

One rack-mount kit has all the hardware necessary to install one NVIDIA Quadro Plex 1000 Visual Computing System (VCS) in a standard 19-inch Electronics Industries Alliance (EIA) cabinet. Note that the NVIDIA Quadro Plex 1000 takes up half the width space in a rack which allows two VCSs to be rack-mounted side-by-side.

The following equipment is included in the Rack-mount Kit box:

4x	**One (1) Side Rail, Four (4) Screws** Used to mount the NVIDIA Quadro Plex 1000 in a standard 19" EIA rack.
4x	**One (1) Front Handle Bracket, Four (4) Screws** Attached to the NVIDIA Quadro Plex 1000 and used to pull it out of the rack.
2x	**One (1) Rear Alignment Bracket, Two (2) Screws** Attached to the NVIDIA Quadro Plex 1000.
4x	**One (1) Mid Cap, Four (4) Screws** Used when mounting two NVIDIA Quadro Plex 1000s in a rack side-by-side to provide alignment and finish railmount.
	One (1) Low Profile Louvered Cover Replaces the standard louvered cover shipped with the NVIDIA Quadro Plex 1000. It is a low-profile cover used when rack-mounting the VCS to provide clearance for a second VCS in the cabinet.
	Two (2) Thumb Screws Used to secure the NVIDIA Quadro Plex 1000 to the rack and side rail.

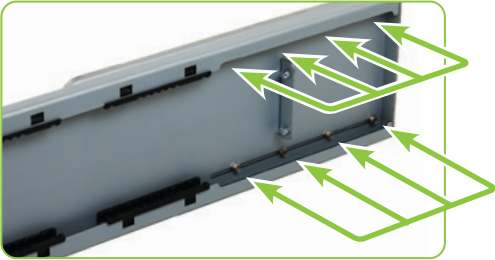# Connecting to a Host System

Refer to the NVIDIA Quadro Plex 1000 Installation Guide for instructions on preparing the host system and installing the interface card.

Rack-mount Installation

Use the following procedure to install the NVIDIA Quadro Plex 1000 into a standard 19-inch EIA equipment cabinet. You will need a Philips #2 screw driver to install the rack mount kit hardware. The NVIDIA Quadro Plex 1000 must be mounted within 2 meters of the host system.
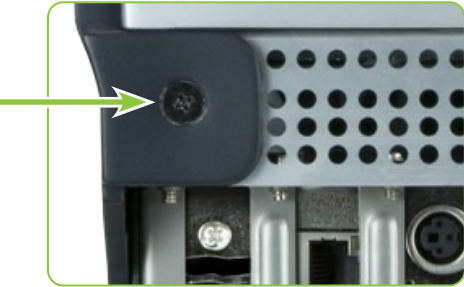
Note: The hardware in the rack-mount kit is intended for a standard 19" EIA rack only.

1. Adjust the rack side panel to fit the rack.
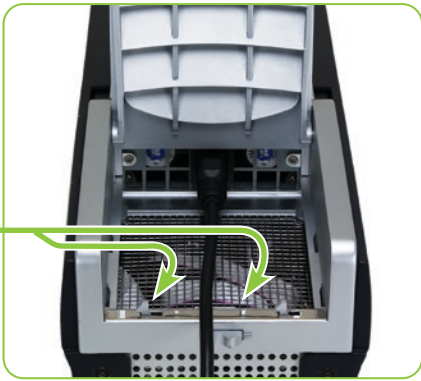Loosen eight (8) screws to adjust the length of the side-panel.

2. Install the side panel into the cabinet using the four (4) 10-32 screws provided in the kit.

3. Remove the two (2) screws holding the two side covers to the chassis.

4. Remove rear louvered cover from over the power cord by removing the two (2) screws inside the cover and releasing the levers.

5. Depending on your environment, follow the sub-steps:
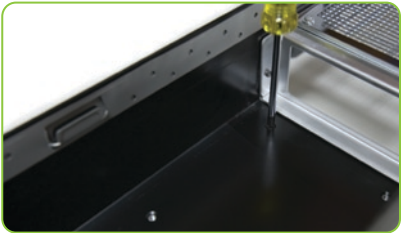
Installing One VCS in a Rack

a Reinstall the two (2) screws removed in Step 3 into the chassis and continue with Step 6.

Installing Two VCSs in a Rack
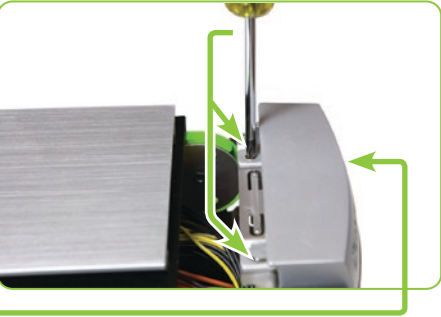
a Slide the top cover back off the VCS.

b Turn the cover over and remove the eight (8) screws from inside the top cover to remove the top panel off the top cover.

c Remove the two (2) screws holding the top cap on the VCS and remove the top cap.

Top Cap

d Set the top cover back on the VCS about two inches back from the front to align the cover with the chassis. Make sure the cover is aligned into the chassis before sliding it forward into place.
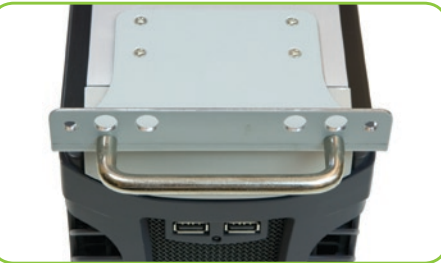
e Reinstall the two (2) screws removed in Step 3 into the chassis.

6. Slide the flat louver supplied in the kit into place. Be sure it is seated all the way in.

7. Remove the feet from the bottom of the NVIDIA Quadro Plex 1000 chassis.

8. Mount the front handle bracket to the bottom front of the chassis using the four (4) screws provided in the box.

9. Mount the rear alignment bracket to the bottom rear of the chassis using two (2) screws provided in the box.