



Quadro 6000 Additional Power Requirements

The Quadro 6000 graphics board is a performance optimized high-end board solution. Power is taken from the PCI Express host bus as well as an 8-pin or (2) 6-pin PCI Express power connectors.

Without auxiliary power provided to the Quadro 6000 graphics board, a message will appear on the display asking the user to power down the system and reboot after plugging in the auxiliary PCI Express power cable(s). This will be followed with an LED that goes red and the graphics board will not boot.

Table 1 outlines the different possible scenarios as well as the resulting behaviors.

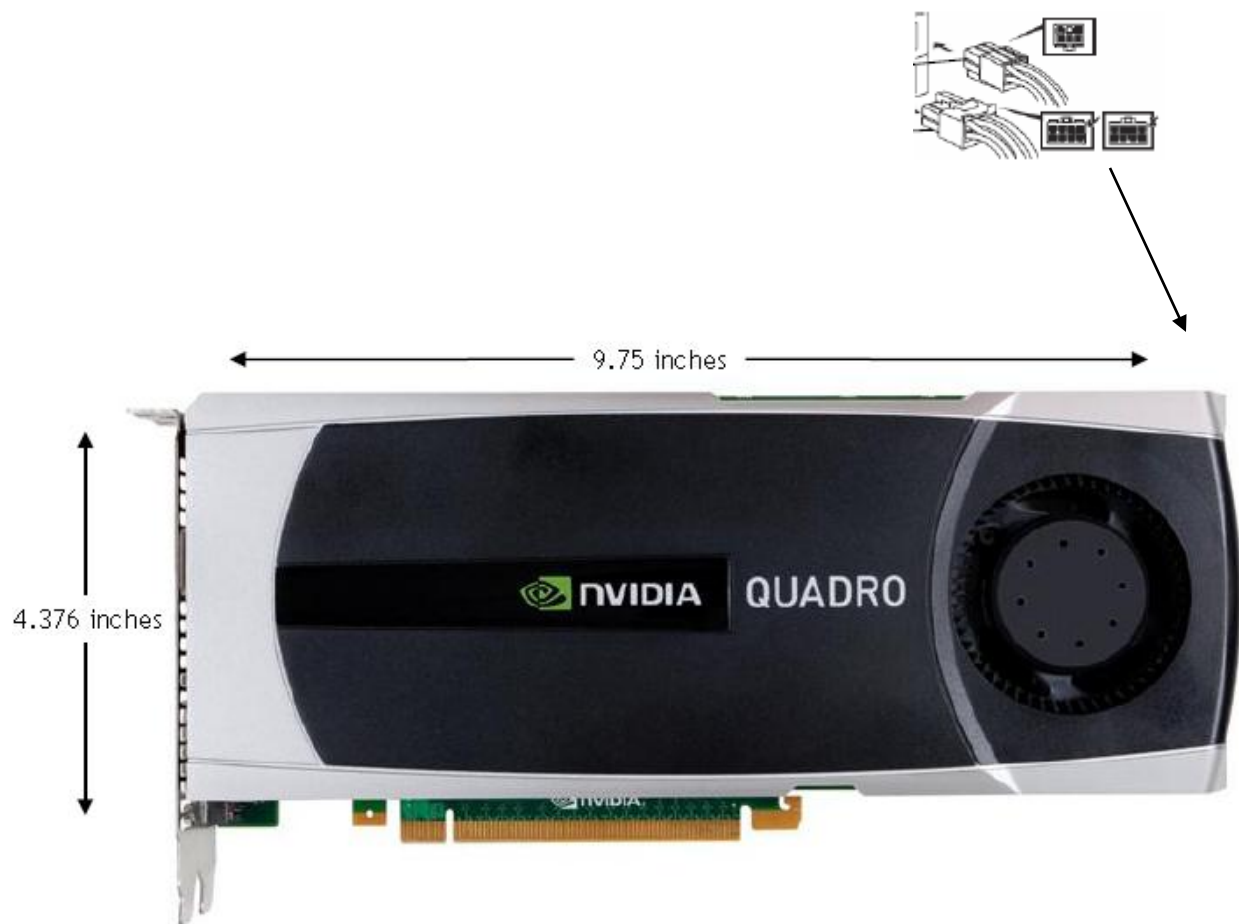




Table 1. Configuration with External PCI Express Connectors

8-Pin PCIe Power Connector	6-Pin PCIe Power Connector	Result
8-pin cable connected	Not Connected	Full power - LED light on the PCB is GREEN by default
6-pin cable connected	6-pin cable connected	
Not connected	Not connected	Message on display will alert the user to connect the auxiliary PCI Express power cable(s). LED light on the PCB is RED - graphics board will not boot to OS
6-pin cable connected	Not connected	
Not connected	6-pin cable connected	

POWER BY RAIL

PEX12V	PEX3V3	EX12V - 6-pin	EX12V - 8-pin	Total Board Power
69.51 W	3.01 W	47.37 W	83.72 W	203.69 W