

Quadro FX 5600 Additional Power requirements

The NVIDIA Quadro FX 5600 graphics board is a performance optimized high-end board. Power is taken from the PCI Express host bus as well as two 6-pin PCI Express power connectors. Without any auxiliary power provided to the NVIDIA Quadro FX 5600 graphics board, a buzzer on the graphics board will beep and the graphics board will not boot.

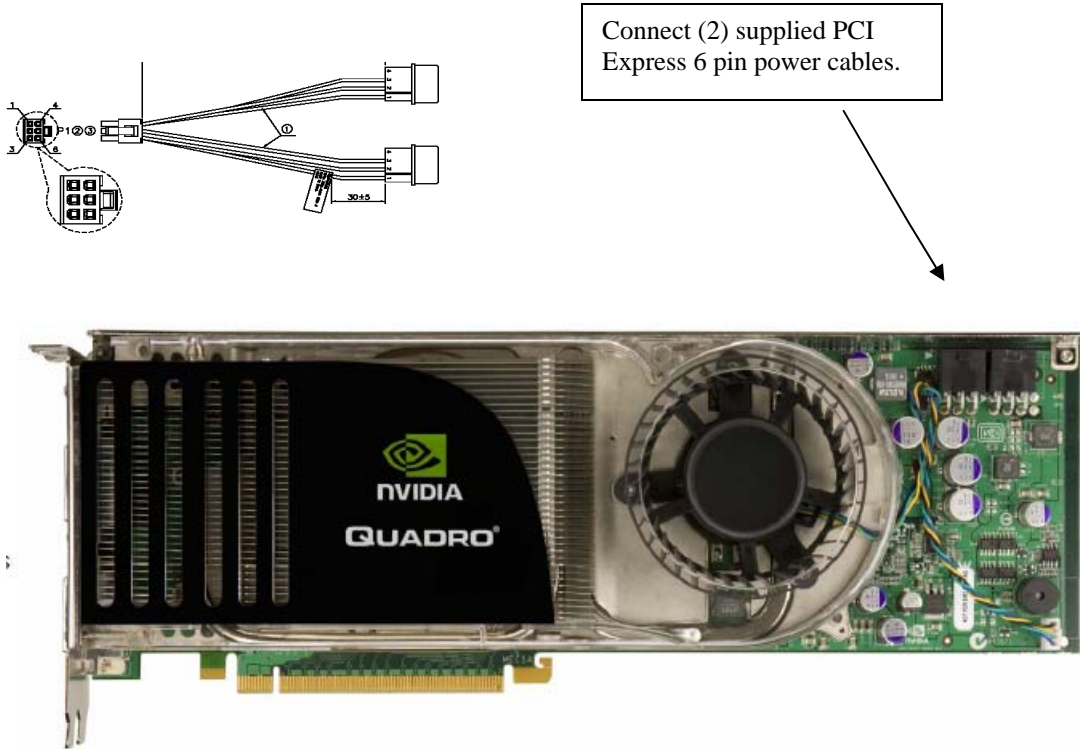


Table 6. Configuration with Two 6-Pin Connectors

| 6-pin PCIe Power Connector (outside position – nearest corner of PCB) | 6-pin PCIe Power Connector (Inside position) | Result |
|---|--|---|
| Connected | Connected | Full Power ** |
| Connected | Not Connected | Graphics solution will perform at lower performance |
| Not Connected | Connected | Buzzer will sound – graphics board will not boot |
| Not Connected | Not Connected | Buzzer will sound – graphics board will not boot |

**This is the recommended connection for this configuration in order to provide the necessary power into the graphics board to achieve full performance.

Power by Rail

Table 7 lists the power by rail numbers for the NVIDIA Quadro FX 5600 graphics Board.

Table 7. Power By Rail

| Input Rails | | |
|----------------------------|-------|-------|
| 12 V Voltage | Volts | 12.69 |
| 12 V Current | Amps | 2.86 |
| 12 V Power | Watts | 36.29 |
| 3V3 Voltage | Volts | 3.29 |
| 3V3 Current | Amps | 1.14 |
| 3V3 Power | Watts | 3.75 |
| Input Rails Ext 12V | | |
| 12 V Voltage | Volts | 12.14 |
| 12 V Current | Amps | 5.08 |
| 12 V Power | Watts | 61.67 |
| Input Rails Ext 12V | | |
| 12 V Voltage | Volts | 12.14 |
| 12 V Current | Amps | 5.7 |
| 12 V Power | Watts | 69.19 |
| | | |
| Total Power* | Watts | 170.9 |

*Single board only: Running two dual-link displays