



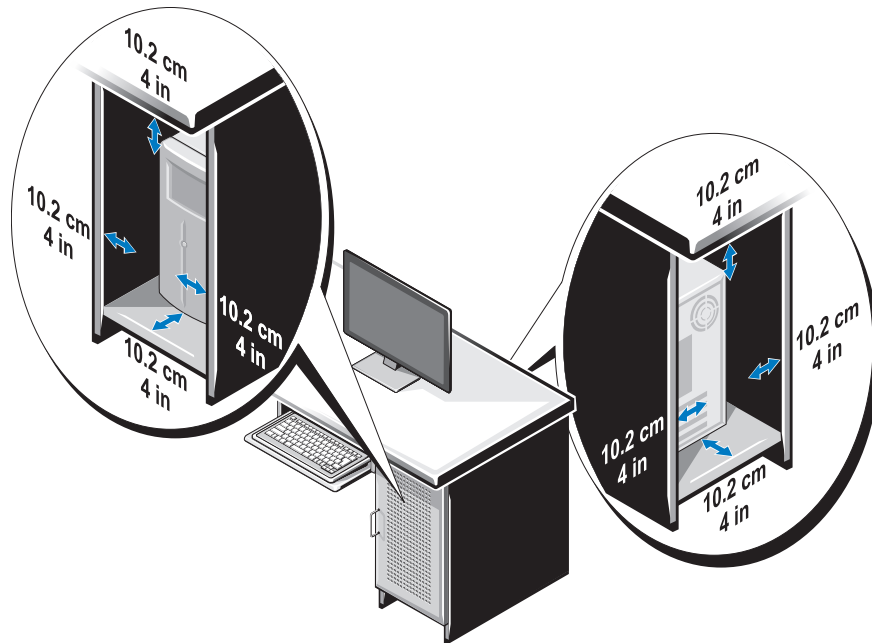
Installing Your System in an Enclosure

Installing your system in an enclosure can restrict the airflow and impact your system's performance, possibly causing it to overheat. Follow these guidelines when installing your system in an enclosure:

- Leave a 10.2-cm (4-in) minimum clearance on all vented sides of the system to permit the airflow required for proper ventilation.

Non-ventilated sides of the system can be placed close to the sides of the enclosure. However, for acoustic and vibration optimization, the system sides should not touch the enclosure unless there are isolating features present. These isolation features are typically only on the bottom of a system, however, on some systems, an additional side has these isolation features.

Figure 1. System Enclosure Guidelines



- The enclosure should be designed so that the ambient air entering the system meets the operating temperature requirements of the system. (For details about your system's specifications, see "Technical Specifications" in your system's *Getting Started Guide*.) The enclosure design should be designed to minimize the temperature increase of the air entering the system by:
 - Implementing enclosure venting that provides at least 60% airflow (front and back).
 - Implementing enclosure ventilation that aligns well with the system ventilation to allow direct airflow into the system. This is especially important at the exhaust of the system.
 - Ensuring that there is ventilation at the highest point of the enclosure (such as a gap between the door and top of the enclosure) to allow hot air to escape.
- ➔ **NOTICE:** The room's ambient temperature needs to be a consideration when installing your system in an enclosure. For example, if the ambient room temperature is at 25° C (77° F), depending on your system's specifications, you may only have 5° to 10° C (9° to 18° F) before you reach your system's maximum operating temperature.
- If your system is placed in a corner of your workspace on a desktop or under a desk, but not inside an enclosure, leave at least 5.1 cm (2 in) of clearance from the back of the system to the wall.

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