



TECHNOLOGY BRIEF

Cool HBA™ Technology

Energy-Efficient Host Bus Adapter (HBA), No Fans Required

Industry Challenge

Technology advancements such as multi-core processors and the transition to high-density servers (blade servers) have allowed significantly more processing power in a much smaller space. However, these advancements have created new challenges for IT managers to provide adequate energy and cooling for the new compact data center. Hardware manufacturers must contribute to the solution by reducing power requirements of their individual data center and server products.

User Benefit

- **Flexible Deployment**
No airflow HBAs provide IT managers the flexibility of installing the HBA in a wide range of server designs without having to worry about special airflow needs.

QLogic's No Airflow Solution

- QLogic HBAs require no airflow and no heatsink to operate between 0° to 55°C.

How QLogic's No Airflow Solution Works

- QLogic StarPower™ based HBAs minimize power consumption by reducing the number of components used in the design, utilizing energy-efficient switching power supplies, and enabling Intelligent Link Training (ILT), which can save up to 1.3 Watts per HBA.
- By minimizing power consumption and thereby reducing the amount of heat generated, the need for additional airflow and/or a heatsink to remove unnecessary heat is eliminated with QLogic HBAs.



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