

ACHIEVE GREEN IT INFRASTRUCTURE RESULTS WITH CPI PASSIVE COOLING™ SOLUTIONS, THE SIMPLY EFFICIENT™ CHOICE

With today's data centers consuming significant amounts of energy to cool increasing densities, responsible thermal management practices have become imperative to decrease energy consumption and achieve green IT infrastructure results. Making the most of your cooling is not only the green thing to do, but is the smart choice in today's business climate, which requires the use of efficient methods to advance successfully in such a competitive marketplace.

Recognizing the problems of increasing density requirements and energy consumption, Chatsworth Products, Inc. (CPI) designed thermal management solutions using passive technologies to maximize airflow to cool equipment in the data center without the need for additional CRAC units, in-row air conditioners or risky liquid cooling solutions. CPI Passive Cooling™ Solutions, used with the TeraFrame™ Family of Cabinets, utilize this innovative technology and provide superior thermal management to reduce energy costs up to 40% and overall energy efficiency, maximize cooling unit efficiency and minimize environmental impact, making them the Simply Efficient™ choice. From small applications with heat loads of 2 kW per cabinet, to large applications with heat densities beyond 20+ kW, CPI Passive Cooling Solutions provide advanced thermal management with zero points of failure, thus delivering a Tier IV solution.

Relationships with leading technology developers including Intel, Cisco and Corning Cabling Systems have helped further develop these passive cooling solutions to overcome specific heat related and airflow issues associated with blade servers, switches, cables and fiber positioned in cabinet spaces.



CPI Passive Cooling Solutions . . . Simply Efficient:

- Lower construction costs compared to active cooling solutions
- Reduce operational costs by isolating hot exhaust air from cool supply air
- Decrease energy consumption by utilizing 100% of the HVAC cool supply air
- Reduce energy costs up to 40% over standard methods (hot aisle/cold aisle), and up to 90% with economizer utilizing "free cooling" days
- Allow for raised set-points on cooling units
- Allow for Tier IV operation

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