Power Integrations Passes Key Interoperability Test for Power over Ethernet

UNH Test Program Finds That Company's PoE Interface Circuit Design Meets IEEE802.3af Standards

SAN JOSE, Calif. – December 13, 2005 – Power Integrations (Nasdaq: POWI), the leader in high-voltage integrated circuits for power conversion, announced today that it has successfully completed an important series of tests for Power-over-Ethernet (PoE) Powered Devices (PDs) incorporating the company's *DPA-Switch*® family of ICs. Testing by the University of New Hampshire Interoperability Consortium (UNH-IOC) showed that a PoE interface circuit designed by Power Integrations meets the IEEE802.3af standard for PDs. In interoperability testing, the Power Integrations circuit was shown to work correctly with all of the consortium's Power Sending Equipment (PSE) - some 25 different devices in all. UNH-IOC test results are widely referenced in the telecom industry to demonstrate IEEE802.3af compliance and to provide confirmation that a new PD will work with any PSE prior to the deployment of new PoE equipment.

The Power Integrations design, which is presented in the company's *Design Idea DI-88*, is a PoE interface and DC-DC switching circuit designed around the company's monolithic *DPA-Switch* ICs. A simple, low-cost discrete circuit performs the PoE signature and classification functions, while *DPA-Switch* manages all the primary DC-DC switching and control functions. The complete circuit requires only 16 components and costs about one-third less than designs based on integrated interface/controller ICs. The *DI-88* design is capable of supporting all current classes of PoE devices (Classes 0 to 3).

"We are delighted that our PoE interface has passed the UNH-IOC test, achieving a perfect score," said Andrew Smith, DC-DC product marketing manager for Power Integrations. "These results help confirm what our market experience has already shown - that our approach to the PoE PD is highly effective, low-cost and compatible with industry-leading PoE systems."

Copies of the UNH-IOC test reports, along with additional information on Power Integrations' PoE offerings, can be found on the Power Integrations website at *www.powerint.com/poe.htm*. Design support tools and product information (including *DI-88*) related to the *DPA-Switch* family of ICs can be found at *www.powerint.com/dpaproduct.htm*. The *DI-88* interface design is available for use free-of-charge to Power Integrations customers utilizing *DPA-Switch* ICs in their PD designs.

About Power Integrations
Power Integrations, Inc. is the leading supplier of high-voltage analog integrated circuits used in power conversion. The company's breakthrough integrated-circuit technology enables compact, energy-efficient power supplies in a wide range of electronic products, in both AC-DC and DC-DC applications. The company's *EcoSmart* energy-efficiency technology, which dramatically reduces energy waste, has saved consumers and businesses around the world more than an estimated $1.3 billion on their electricity bills since its introduction in 1998. For more information, visit the company's Web site at www.powerint.com. For information on global energy-efficiency standards and *EcoSmart* solutions, visit the Power Integrations Green Room at www.powerint.com/greenroom.