

Penguin Computing Debuts Relion 2808GT with DCLC™ Solution by CoolIT at the NVIDIA GTC Conference 2014

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SAN JOSE, Calif. – GTC 2014 – March 24, 2014 – Penguin Computing, experts in high performance, enterprise and cloud solutions, today introduced the Relion 2808GT with Rack DCLC™ Solution by CoolIT at the **NVIDIA GTC Conference** in San Jose, California. Complementing the Relion 2808GT's industry leading high density 8 NVIDIA Tesla K40m boards in a 2U form factor, Penguin Computing's partnership with CoolIT addresses power and cooling concerns when using high-density configurations. "Partnering with Penguin Computing on the ultra-dense Relion 2808GT showcases the cost benefits of liquid cooling in a real world application," said Geoff Lyon, CEO/CTO CoolIT Systems. "With close to immediate ROI and 25%+ decreases in operating expense we are able to achieve extreme densities and unparalleled performance for Penguin's customers." "CoolIT's Rack DCLC™ can be deployed with any server and in any rack making it a truly flexible solution that allows for an edge in today's highly competitive marketplace," said Phil Pokorny, CTO of Penguin Computing. "Our customer will be satisfied to know we can increase number of GPU per rack without additional heat penalty thanks to liquid cooling." The Relion 2808GT with CoolIT's Rack DCLC™ Solution provides direct-to-chip liquid cooling to both of the Intel Xeon Processors along with eight NVIDIA K40 GPUs. This translates into CoolIT's Rack DCLC™ Solution addressing 86% of total server heat while facility air cooling requirement is substantially reduced to 14%. By reducing the air cooling requirement, an increased number of Relion 2808GT servers per rack is possible as well as decreasing data center rack footprint. This will deliver up 24% OPEX savings per year. Supporting Resources

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About CoolIT CoolIT has special expertise across many industries, including automotive, data centers, industrial, and educational markets. With 12 years of application experience and a focus on driving exceptional performance

while delivering efficiency and cost savings, CoolIT partners with the client to deliver the most efficient liquid cooling solution at the lowest total cost. The DCLC platform is a modular, rack-based, advanced cooling solution that allows for dramatic increases in rack densities, component performance, and power efficiencies. With over 1.5 million systems on the market, CoolIT brings a wealth of design, engineering, and manufacturing knowledge to the table.