Press Release

Products and solutions for the entire network

More performance for network function virtualization
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Warwick, R.I. – June 5, 2017 - As one of the market and technology leaders for systems and electronics protection solutions, Pentair is actively working on the definition, specification and introduction of new technologies. Pentair has been heavily involved in the specification and implementation of AdvancedTCA, the standard for high-performance communications blade servers. The same thing is now happening with the next generation of follow-up technology, 5G network infrastructure.

Increasing amounts of data traffic and ever increasing customer requirements have led to an unprecedented expansion in the infrastructure of telecommunication data centers. Network functions are increasingly being removed from traditional telecommunications centers, virtualized and moved into data centers. At the same time, more demanding requirements are being made of computing power and data transmission rates. Even before the adoption of the CG-OpenRack 19 specification OCP (Open Compute Project), Pentair developed its Schroff ServCite Rack to meet the demanding requirements of server-based telecommunications solutions for shock and vibration resistance, redundancy and reliable cooling capabilities. When compared to other standards in the telecommunications industry, the Schroff ServCite rack has the capacity for significantly higher data processing and/or storage density. It can accommodate ToR (top-of-rack) switches, includes a power unit with plug-in power supplies and a rack agent as well as shelves for compute and storage sleds. Pentair's product range also includes kits for compute and storage sleds. The configuration for the number of sleds in a Schroff Servcite rack can vary to match the requirement.

Furthermore, Pentair has the products and solutions for every aspect of network infrastructure in its portfolio. Network and server cabinets as well as complete enclosures, including efficient cooling solutions, access control systems, intelligent socket strips and various Smart Management sensors are available for outfitting large data centers or installations. Pentair's proven AdvancedTCA systems are employed for AdvancedTCA technology that continues to be used frequently in central office infrastructure.

On the street, Pentair outdoor cabinets offer telecommunication components protection against changing environmental influences (heat, cold etc.) and vandalism. The versatile Schroff small form

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factor solutions can be used at base stations or for IoT gateways. Pigeon Point products cover the hardware management of these embedded systems and scalable server platforms from the Pentair ICT portfolio as well. These products and solutions allow Pentair to cover every aspect of telecommunications infrastructure, everything from one provider and tailored to specific requirements.

Image Caption: Schroff ServCite Rack

Additional information available at
https://schroff.pentair.com/en/schroff-na/compute-and-storage-platform

About Pentair Electrical
Pentair Electrical is a leading global supplier of systems and solutions that safeguard industrial controls, electrical components, communications hardware, electronic devices, and electrical cooling systems. Its premier brands CADDY, ERICO, Hoffman, LENTON, Raychem, Schroff, and Tracer provide a comprehensive range of standard, modified, and custom-engineered solutions for the energy, industrial, infrastructure, commercial, communications, medical, security, and defense markets.

The Schroff brand offers an extensive portfolio of accessories for protecting printed circuit boards, such as card retainers, conduction-cooled board supports, front panels and handles, subracks, cases, backplanes, power supplies, cabinets and pre-assembled chassis for embedded computing systems as well as hardware management systems. For further information, please visit www.pentairprotect.com

About Pentair
Pentair plc (NYSE: PNR) is a global company dedicated to building a safer, more sustainable world. Pentair delivers industry leading products, services and solutions that help people make the best use of the resources they rely on most. Its technology moves the world forward by ensuring that water is plentiful, useful and pure, and that critical equipment and those near it are protected. With 2016 revenues of $4.9 billion, Pentair employs approximately 19,000 people worldwide. To learn more, visit pentair.com.

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