



Press Release

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Small, powerful, and adaptable PXI Express Embedded Controller

STRAUBENHARDT, Tuesday, February 26, 2019 – Schroff GmbH

nVent SCHROFF is expanding its PXI Express product range with the CPe-AA420, a compact and powerful embedded controller for use in PXI Express test and measurement applications. With a compact form factor of 1 slot (4 HP) wide by 3 U high, space problems and complicated alternative solutions involving adapter boards and external IPCs are a thing of the past. Despite its small size, the CPe-AA420 excels with a broadband system connection of up to 6 GB/s and versatile peripheral interfaces.

The controller was implemented using the modular COM carrier technology from nVent SCHROFF. It consists of a COM type 6 express module and a COM carrier in EuroBoard format including a front panel. The controller is powered by a 7th-generation Intel® Core™ processor, combined with up to 32 GB DDR4 memory, and its PCIe Gen3 system and DDR4 memory connection also allow it to support high-bandwidth applications.

Two Gigabit Ethernet ports are located on the front panel of the controller. The integrated Intel® HD Graphics 620 graphics card offers sufficient processing power for data visualization and configuring the controller and can be connected via a DisplayPort on the front panel. Three additional USB3.0 type A interfaces are also provided. The controller is fitted with a m.2 NVMe SSD, connected directly via PCIe Gen3. This allows data transfer rates of up to 15x higher than with typical hard disks. The controller is equipped with a 250 GB hard disk and 16 GB RAM as standard, and can be customized to meet specific application requirements.

In addition, the PXI Express CPe-AA420 embedded controller offers fully licensed BIOS access to extensive American Megatrends AMIBIOS®8 functions, enabling you to fully optimize your application and make custom changes at any time.

More information:

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The PXI Express embedded controller from nVent thus combines a small form factor with high performance and individual customization. The customization options do not stop with just the hard disk, the controller is also easy to upgrade by replacing the COM module; there is no need to alter the design. The carrier and its basic functions thus remain the same, and the COM module is swapped for a more up-to-date version, e.g. with newer processors.

Further information: <https://schroff.nvent.com/de/schroff/locator>

Image caption: Compact PXI Express embedded controller for test and measurement applications

About nVent

nVent is a leading global provider of electrical connectors and protection solutions. We are convinced that our innovative electrical solutions provide safe systems and thereby make for a safer world. We design, produce, market, install, and maintain high-performance products and solutions that connect and protect some of the world's most sensitive equipment, buildings, and critical processes. We provide an extensive range of enclosures, electrical connectors and fasteners, as well as thermal management solutions with several industry-leading brands that stand for quality, reliability, and innovation around the globe. Our main branch is located in the United Kingdom in London. Our management is in the United States in Minneapolis, Minnesota. Our robust portfolio of leading electrical product brands spans more than 100 years and includes nVent CADDY, ERICO, HOFFMAN, RAYCHEM, SCHROFF and TRACER.

You can also download this press release from the Internet at <www.weil-PR.de>.

More information:

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