



NEWS RELEASE

nVent SCHROFF Expanding the PXI Express System Portfolio

1/17/2019

New PXI Express System with 18 Slots in 19" Width

LONDON--(BUSINESS WIRE)-- nVent Electric plc (NYSE:NVT) ("nVent"), a global leader in electrical connection and protection solutions, announced today it is expanding its SCHROFF enclosures product range for PXI systems by adding an 18-slot SCHROFF PXI Express (PXIe) system with a modular structure used in complex measurement and simulation applications. SCHROFF's PXI Express is the next generation solution to its PXI offerings and is based on high-speed PCIe bus. The SCHROFF PXI Express is a modular system made up of standard assemblies ensuring high flexibility and allowing the system solution to be economically adapted to customer requirements.

The new 18-slot PXIe system is based on a modular SCHROFF RatiopacPRO enclosure with an intelligent ventilation concept and integrated fan control. The system features a system slot, a system timing slot for feeding in very precise clock signals, and 16 hybrid slots for PXI Express or PXI cards laid out over a width of 84 HP (19" wide). The hybrid slots make the system completely backward-compatible making it easier to change over from PXI to PXI Express in phases.

The backplane of the 18-slot PXIe system has been given a predominantly passive design. The necessary PCI bridge, PCIe switch and clock functions are implemented with the same separate modules that are used for the smaller 8-slot PXIe system. There are more of them integrated here: 2 PCI bridge modules for 2 x 8 PCI connector positions to ensure the ability to communicate with all 16 hybrid slots using the PCI bus, 4 PCIe switches and one trigger bridge linking the bus segments to each other individually and uni-directionally. A high-performance PSU designed for industrial use supplies the system with the conventional PC voltages (3.3V, 5 V, ± 12 V and 5 V standby). If the main switch is enabled, the system can be started or shut down by means of the push button. The button is equipped with an LED ring that can be used to display various system states, e.g. "Proper function" (LED lights up green) or



"Temperature critical" (LED flashes red). This is implemented using an additional microcontroller on the backplane. This function has been retrofitted for the smaller 8-slot PXIe system, which means that the users have useful system information easily accessible.

For more information visit <https://schroff.nvent.com/en/schroff-na/pxi-pxi-express-systems>.

nVent offers a wide range of enclosures to accommodate key systems. Our enclosures are marketed under the nVent HOFFMAN and nVent SCHROFF brands and offer double protection. 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 schroff.nvent.com.

About nVent

nVent is a leading global provider of electrical connection and protection solutions. We believe our inventive electrical solutions enable safer systems and ensure a more secure world. We design, manufacture, market, install and service high performance products and solutions that connect and protect some of the world's most sensitive equipment, buildings and critical processes. We offer a comprehensive range of enclosures, electrical connections and fastening and thermal management solutions across industry-leading brands that are recognized globally for quality, reliability and innovation. Our principal office is in London, United Kingdom and our management office in the United States is in Minneapolis, Minnesota. Our robust portfolio of leading electrical product brands dates back more than 100 years and includes nVent CADDY, ERICO, HOFFMAN, RAYCHEM, SCHROFF and TRACER.

nVent, CADDY, ERICO, HOFFMAN, RAYCHEM, SCHROFF and TRACER are trademarks owned or licensed by nVent Services GmbH or its affiliates.

View source version on [businesswire.com](https://www.businesswire.com/news/home/20190117005769/en/): <https://www.businesswire.com/news/home/20190117005769/en/>

Amy Escobio, 858-740-2501

nVent Enclosures

Amy.Escobio@nVent.com

Source: nVent Electric plc