

Eurotech launches a rugged storage extension for data-intensive vehicle testing: InoBay - 2U storage extender

A new product designed for use in data-intensive test environments in the automotive industry, developed by InoNet, the Eurotech's German company

Taufkirchen, August 12, 2025 - InoNet Computer, a leading manufacturer of high-performance computing solutions for industrial applications and test applications in vehicle development, presents a compact 2U storage extender designed specifically for use in data-intensive test environments in the automotive industry.

“Designed for smooth in-vehicle use, the InoBay-2U storage extender enables seamless integration into existing test environments and data logger architectures, including those from third-party providers. Thanks to its universal compatibility, customers benefit from maximum flexibility and a holistic, sustainable test infrastructure, eliminating the need for additional investment in new logger hardware. The Storage Extender, therefore, offers technological and economic benefits,” said Armin Erich, Head of Engineering, InoNet.

A key component of the solution is the modular QuickTray-v3, which boasts a high storage capacity of up to 240 TB and write speeds of up to 26 GigaByte/s (depending on the SSD configuration and RAID level). This enables longer test drives without storage changes and reduces downtimes. Thanks to the hot-plug function of the QuickTray-v3, data can be transferred directly to the ingest station/evaluation stations after the drive without interrupting the system. The integrated data encryption reliably protects sensitive test data both during storage and transfer.

Thanks to close cooperation with Solidigm and early provision of high-performance SSD samples, including reliable reliability reports, extensive testing could be carried out quickly, and the project was realised successfully in a short time.

Even under demanding test conditions involving increased temperatures, shocks, and vibrations, the robust Solidigm SSDs deliver reliable performance. Their high storage capacity and increased data density enable more precise and comprehensive recording of driving data per test kilometers.

"Utilizing industry-leading Solidigm D5-P5336 122TB QLC SSDs, InoNet's innovative 2U storage extender addresses some of the most pressing challenges for test vehicles by extending capture windows, allowing longer and more varied test drives. A larger and more diversified data capture on high-capacity SSDs provides a richer data set to improve AI algorithms. We're looking forward to our ongoing teamwork in enabling InoNet to be an industrial edge leader." – Roger Corell, Sr. Director AI and Leadership Marketing, Solidigm.

Mastering data-intensive test drives

The solution addresses key challenges in test data acquisition. A leading manufacturer was faced with the task of efficiently implementing several hundred thousand hours of testing with limited resources and a high volume of data. Traditional storage solutions were not sufficient for this. The jointly developed storage extension is already being used successfully and supports test engineers with reliable data acquisition, fast transfer, and intuitive handling - from the vehicle to the data lake.

About Eurotech

Eurotech (ETH.IM) is a multinational company that designs, develops, and supplies Edge Computers and Internet of Things (IoT) solutions - complete with services, software, and hardware - to system integrators and enterprises. By adopting Eurotech solutions, customers have access to IoT building blocks and software platforms, to Edge Gateways to enable asset monitoring, and to High-Performance Edge Computers (HPEC) created for Artificial Intelligence (AI) applications. To offer increasingly comprehensive solutions, Eurotech has partnered with leading companies in their field of action, with the view of creating "best in class" solutions for the Industrial Internet of Things.

About InoNet Computer

InoNet Computer GmbH is a developer and manufacturer of industrial PCs that specialises in meeting the technical requirements of its customers. As part of Eurotech, InoNet represents the company in the DACH market. The company has over 25 years of experience working on rugged computer solutions "Made in Germany" and, as a competent partner, offers new developments tailored to customers' needs as well as proven standard systems with individually realisable modifications. Thanks to its own in-house engineering and production facilities at its headquarters in Taufkirchen near Munich, as well as many years of project experience, InoNet is able to offer bespoke solutions for specific customer applications.

About Solidigm

Solidigm, a pioneer in enterprise data storage, leverages decades of product leadership and technical innovation, collaborating with customers to transform their business and propel them into the data-centric future. Our legacy of industry leadership is helping enable AI and more robust end-to-end product portfolio for core data centers to the edge. Headquartered in Rancho Cordova, California, Solidigm operates globally as a standalone subsidiary of SK Hynix Inc.

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