SIEMENS

Hannover Messe 2019, Hall 9, Booth D35

Highest computing and graphic performance for future technologies

- **Highest computing and graphic performance through up to two Intel Xeon CPUs and Nvidia Quadro P5000 GPUs**
- **Platform for artificial intelligence (AI), automatic learning, edge computing and machine vision**
- **High degree of expandability through six PCIe slots, six USB interfaces and a serial port**
- **Product designed for industrial environments with full-metal enclosure and high electromagnetic compatibility (EMC)**

With the Simatic IPC1047, Siemens is launching an industrial PC platform onto the market which is distinguished by the highest computing and graphic performance. The new device is equipped with the most modern hardware components – two Intel Xeon processors E5 of the v4 series, two GPUs (Graphics Processing Units) Nvidia Quadro P5000 – and comes with a 19" rack design. The IPC in a rugged, full-metal enclosure can handle applications with high performance requirements, such as big data analyses, and thus offers a platform for artificial intelligence (AI), machine learning, edge computing, and machine vision.

The Simatic IPC1047 is optionally available with an Intel Xeon E5-2620v4 2.1 GHz with 8 cores or the Intel Xeon E5-2658v4 2.3 GHz with 14 cores; both versions are preconfigured for multicore technology and thus provide high performance and better multitasking in industrial environments. The use of two processors makes it optimally suitable for data acquisition and image processing for quality testing, the visualization of production sequences, and the virtualization of computers. The IPC can even run several demanding applications simultaneously, such as visualization applications with demanding graphics or programs with extensive calculations.

The Simatic IPC1047 is equipped with up to two extremely powerful Nvidia Quadro P5000 GPUs (Graphics Processing Units). The multidisplay architecture enables several screens to be connected so that user models with large modules and renderings with high image quality and a resolution of up to 5K can be created.

The device is offered optionally with up to 2TB DDR4 ECC RAM memory, a 2TB HDD 3.5" SATA storage medium, 4 x 3.5" drives (internal mount), or 8 x 2.5" drives (internal mount), as well as a maximum of 6 PCIe slots (3 PCIe x8 and 3 x PCIe x16), six USB interfaces, and a serial port.

The 19" full-metal installation enclosure (4U) of the Simatic IPC1047 provides both high mechanical ruggedness (vibration/shock) – and thus protection in harsh industrial environments – and electromagnetic compatibility. The deep, rugged, enclosure is prepared for mounting on a telescopic rail.
Thanks to its outstanding thermal design, the rack PC can even run at an ambient temperature of up to 50 °C without any loss in performance.
The Simatic IPC1047 is used with a 860W or 700W redundant power supply designed for industrial environments.

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You can find this press release and a photo material at
www.siemens.com/press/PR2019040196DIEN

For further information, refer to www.siemens.com/ipc

Find further information about Siemens at the Hannover Messe 2019 at:
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Siemens AG (Berlin and Munich) is a global technology powerhouse that has stood for engineering excellence, innovation, quality, reliability and internationality for more than 170 years. The company is active around the globe, focusing on the areas of power generation and distribution, intelligent infrastructure for buildings and distributed energy systems, and automation and digitalization in the process and manufacturing industries. Through the separately managed company Siemens Mobility, a leading supplier of smart mobility solutions for rail and road transport, Siemens is shaping the world market for passenger and freight services. Due to its majority stakes in the publicly listed companies Siemens Healthineers AG and Siemens Gamesa Renewable Energy, Siemens is also a world-leading supplier of medical technology and digital healthcare services as well as environmentally friendly solutions for onshore and offshore wind power generation. In fiscal 2018, which ended on September 30, 2018, Siemens generated revenue of €83.0 billion and net income of €6.1 billion. At the end of September 2018, the company had around 379,000 employees worldwide. Further information is available on the Internet at www.siemens.com.