

Industry Sector Industry Automation Division

Nuremberg (Germany), April 15, 2009

Powerful embedded industrial PC for use close to the machine

The Siemens Industry Automation Division has equipped two new embedded industrial PCs for rough industrial environments with the powerful Intel Core 2 Duo processor. The Simatic IPC427C compact Microbox PC and the Simatic HMI IPC477C Panel PC, which comes with a HMI (Human Machine Interface) panel, are designed for maintenance-free, continuous 24-hour operation - even in situations where the requirements are high in respect of temperature, vibration, shock and EMC. The space-saving, fanless devices are suitable for communication tasks, measuring and open/closed-loop control as well as for operator control and visualization, for example directly at the machine in wind power stations or on ships or boats. Neither of the industrial PCs requires any maintenance and they both work at ambient temperatures of 0 to 50 degrees Celsius.

Compared to the preceding models, namely the 427B Microbox PC and the 477B Panel PC, the new devices are twice as powerful, depending on the actual features provided. Thanks to its compact dimensions of 262x134x47 millimeters (WxHxD), the Simatic IPC427C fits into small control boxes or directly into a machine. It can be installed in various ways such as on a DIN rail, on a wall or in book-mounting style. With a back-to-front size of only 60 millimeters, the Simatic HMI IPC477C Panel PC requires 20% less depth for mounting than its predecessor. Possessing three free PCI104 expansion slots, the device is available with touchscreens of sizes 12, 15 and 19 inches. Versions featuring 12 and 15 inch fronts with keys are currently being developed. For mounting on a support arm or stand, a version with all-round IP65 protection and a 15 or 19 inch touch display can be supplied.

The new industrial PCs can be delivered with the energy-saving processors up to Intel Core2 Duo (2x 1.2 gigahertz). The main memory can be increased to up to four gigabytes. A solid state drive (SSD) with 32 gigabytes or up to two Compact Flash Cards (CFC) with eight gigabytes each guarantee high system availability. The devices feature four USB 2.0 ports, two 10/100/1000 MB/s

Ethernet terminals and an optional Profibus connection as interfaces. The Simatic HMI IPC477C provides a Profinet interface with three ports, a feature which will soon also be available for the Simatic IPC427C.

Further information can be found on the Internet at: www.siemens.com/simatic-pc

You can find the text on the Internet at: www.siemens.com/automation/press



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