Intel presents Siemens with award to honour 20-year partnership

The Siemens »Industry Automation« Division showcased four industrial PCs for tough industrial environments which feature Intel processors Core i3 to Core i7. Intel was also in attendance and presented Siemens with an award in recognition of their 20-year cooperation.

Markus Gabler, Intel, (right) presents Dr. Peter Weckesser, Siemens with an award in recognition of the 20-year partnership.

In recognition of 20 years of working together Markus Gabler, Sales Manager for Central Europe, Embedded Sales Group, presented Dr. Peter Weckesser, Head of SIMATIC HMI Product Management at Siemens with an award on behalf of Intel. Gabler was full of praise for the fruitful joint venture between the two corporations, sentiments which were echoed by Weckesser.

Siemens and Intel have been working together for 20 years

Siemens and Intel have been working together in the field of industrial automation for 20 years, the aim of the collaboration being that the experience acquired by Siemens in its industrial activities flows directly into Intel's PC technology.

For the new C-generation of the SIMATIC series, for example, special requirements from the area of PC-based industrial automation, such as ECC (Error Correcting Code) were included in the Embedded Development Roadmap for Intel Core i3/i5/i7.

This resulted in Intel and Siemens jointly presenting the new Core i3/i5/i7 processors and the four new SIMATIC IPCs.
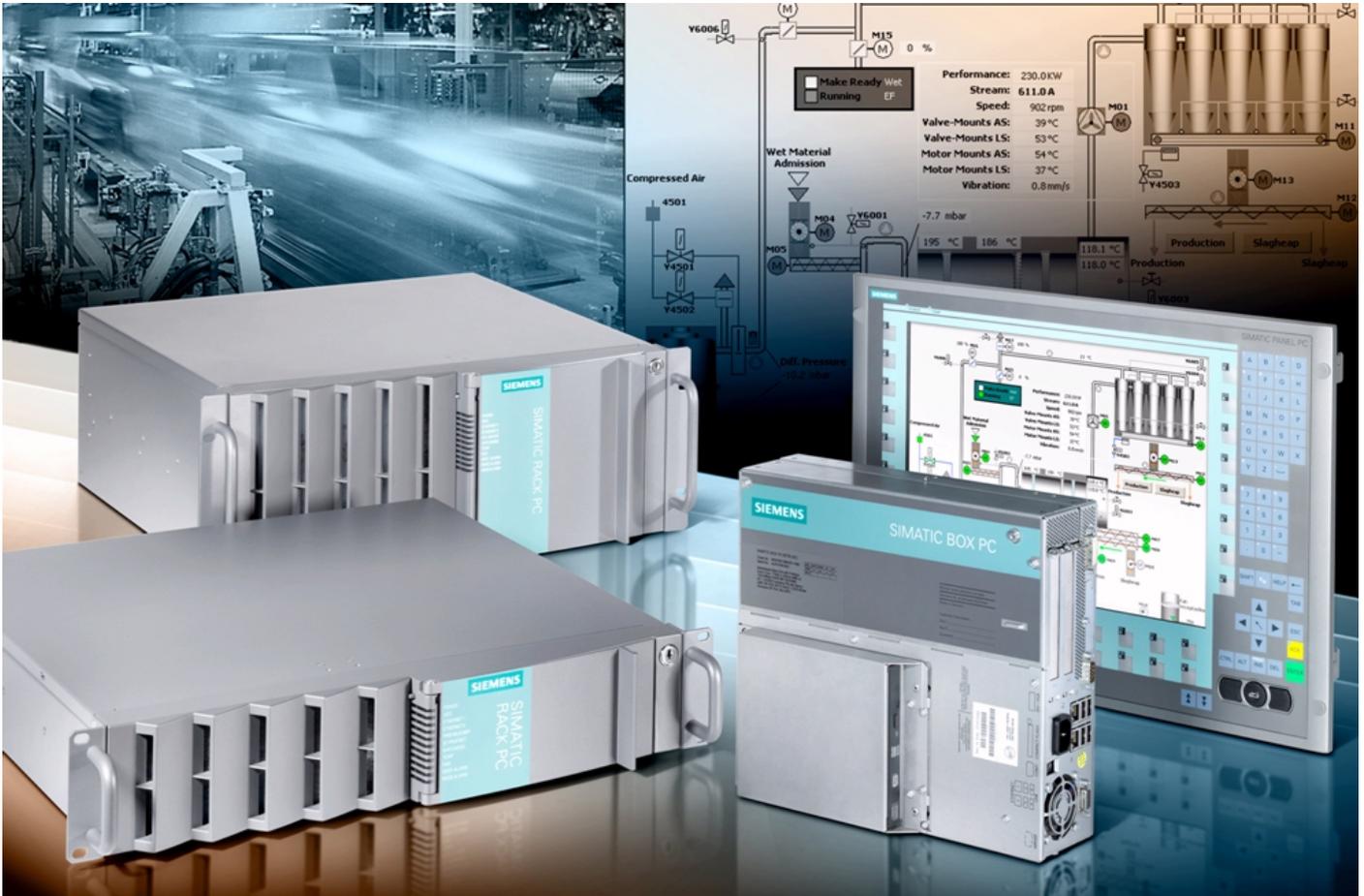
Industrial PCs of the C-Generation

The compact »SIMATIC IPC627C« box PC and the »SIMATIC HMI IPC677C« panel PC are suitable for high-speed measurement, open and closed-control tasks as well as for HMI functions directly at machine level.

The »SIMATIC IPC847C« and »SIMATIC IPC647C« rack PCs are designed for quick processing of large volumes of data, for example in measuring systems or industrial image processing.

The four industrial PCs are all equipped with mobile Intel Core i3 (2.13 GHz) to Core i7 (2.53 GHz) processor types. Compared to the previous models of the B-generation, the C-generation devices offer almost twice the computing performance.

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Here's an overview of the four industrial PCs.

Energy efficiency is a huge priority with the C-generation: the power supply units are characterized by more than 80 percent efficiency. Further energy savings can be achieved by using the wake-on-LAN functionality and, in the panel PC version, a display which can be switched off.

As usual, the new devices are compatible with the previous B-models in terms of installation, interface and software. They feature an onboard communication interface via either the PROFIBUS or PROFINET interface with 3-port IRT switch.

With both the »SIMATIC IPC627C« and the »SIMATIC HMI IPC677C«, the user can choose between SSD, hard disks with or without RAID1 mirror disk systems or CompactFlash (CF). Both IPCs also have two free PCI/PCI Express expansion slots and one slot for CF cards. The »SIMATIC HMI IPC677C« is available with 12", 15" and 19" touch displays as well as versions with 12" and 15" key panels.

The »SIMATIC IPC847C« rack PC can be expanded with up to eleven PCI/PCI Express slots. Data security is ensured by RAID1 or RAID5 hard disk systems in the hot-swap frame or SSD.

The device from the 19" series of devices is four units high and is available with an optional tower kit for use as an industrial

workstation or server in control rooms in the manufacturing and processing industry. The compact »SIMATIC IPC647C« offers identical processing performance but is only half the height; with three PCI/PCI Express slots, there are also sufficient options for expansion. Both rack PCs can optionally be equipped with a 32 GB solid state drive as a bulk storage device. For dual monitoring a PCI-Express x16 graphics card is available.

Source: Andrea Gillhuber, www.elektroniknet.de Germany

More information about SIMATIC IPC and SIMATIC PC-based Automation on the Internet:

www.siemens.com/pc-based-automation

www.siemens.com