

**Hannover Messe 2019, Hall 9, Booth D35**

## **New generation of high-end industrial PCs – high performance and flexibility in the industrial environment**

- **First rack, box and panel PCs with Xeon, Core i7, Core i5, Core i3 and 8th generation Celeron processors from Intel**
- **High level of data and system availability in the 19" rack or control cabinet, or directly on the machine**
- **Maximum expandability for flexible integration into new and existing systems**

Siemens has added a new generation of high-end IPCs to its portfolio of industrial PCs: The four new Simatic IPC627E, 677E, 647E and 847E units are equipped with the latest technology – 8th generation Intel processors and fast UHD-onboard-graphics. They are available as rack, box or panel PCs. The newly developed IPCs with their enhanced enclosure concept facilitate the processing and storage of large volumes of data as well as sophisticated visualization tasks. They are suitable for use both in control rooms or as machine-level systems in data-intensive processes – wherever fast measuring, open-loop and closed-loop control tasks need to be implemented or where visualization solutions with up to 6 monitors are required. The enclosure concept is compatible with its predecessors, so the IPCs can be installed in existing systems with no additional effort required.

All devices have up to 64 GB DDR4 RAM, an M.2 NVMe SSD storage medium, 3x Gigabit Ethernet for high productivity even in demanding tasks, plus USB 3.1 Gen 2 (SuperSpeedPlus) in the USB Type A and Type C versions for fast service and maintenance jobs. The new IPCs are designed for 24/7 continuous operation and are also suitable for environments subject to high levels of vibration,

shock and EMC emissions, as well as ambient temperatures up to 50 degrees Celsius.

The integrated Intel AMT (Active Management Technology) enables convenient remote management for secure remote diagnostics and maintenance. All devices also feature fast system diagnostics with status LEDs and pre-installed DiagBase diagnostics software. The new enclosure concept was especially constructed for even faster device modification. The Simatic IPCs come with the option of a pre-installed Windows 10 Enterprise 2016 LTSC or Windows Server 2016 operating system. E generation devices have up to 100 percent more performance than the predecessor models of the D generation, whatever the configuration.

Users can choose Intel Core i7, Core i3 or Celeron for their compact Simatic IPC627E box PC. The Simatic IPC677E panel PC version with full HD display in 19", 22" and 24" is available for central operator control and monitoring.

The 19" rugged Simatic IPC 647E industrial PC is available with Intel Xeon, Core i7, Core i5 or Core i3 and, thanks to its small height (2U) and installation depth, is ideal for the space-saving implementation of high-speed computing and visualization tasks, such as in image and data processing or industrial server applications.

The Simatic IPC847E can be expanded with up to 11 slots and, due to its high system availability, computing power and PCI Express technology, enables the user to perform high-end image processing – for example in quality inspection, or manufacturing-level data acquisition and processing.

Moreover, the IPC847E keeps operations running in harsh industrial environments, even withstanding large amounts of dirt, extreme temperatures and high shock loads.



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This press release and a press picture are available at [www.siemens.com/press/PR2019020147DFEN](http://www.siemens.com/press/PR2019020147DFEN)

For further information, refer to [www.siemens.com/ipc](http://www.siemens.com/ipc)

For further information on Siemens at the Hannover Messe 2018, please see [www.siemens.com/press/hm19](http://www.siemens.com/press/hm19) and [www.siemens.com/hannovermesse](http://www.siemens.com/hannovermesse)

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