SIEMENS

Ingenuity for life

Just what you need

**SIMATIC Basic IPCs – PC technology
at an attractive price**

siemens.com/basic-ipc

The uncomplicated basis for acquisition, networking, visualization and evaluation

Plenty of industrial PC – pre-configured and immediately available

The SIMATIC Basic IPCs are the ideal platform for tasks in industrial environments and score due to considerably higher robustness and availability compared to office PCs. As a user, you do not have to forego flexibility: The types of construction Rack PC, Box PC, and Panel PC are immediately available off the shelf in various configurations. Thus you can quickly find the industrial PC that suits your requirements, save storage costs, and benefit from an attractive price-performance ratio, which also pays off in the long term: We guarantee you an availability of three years and a further three years of spare parts and repair services.

Numerous options

You are looking for a robust, uncomplicated industrial PC for the acquisition and networking of production and energy data in production as well as in industry-related environments, for example at assembly workstations, in warehouses and logistics, or laboratory automation? Then the SIMATIC Basic IPCs are just what you need. Due to their industry-standard, well-thought-out design, the Basic IPCs can be used to implement a wide range of visualization and SCADA tasks, measuring and test processes, as well as standard image processing applications. Furthermore, they can easily be integrated even into existing plants or plant concepts. Simply a real industrial PC.

SIMATIC Basic IPCs at a glance

Our SIMATIC Basic IPCs make things easy for you: The elaborate configurations combine current PC technology, multifaceted interfaces, and an industry-standard design into a compelling and robust complete package. All of the variants are now available off the shelf, which means that you receive a turnkey, run-in tested system that meets your requirements without a great deal of effort.

With the SIMATIC Basic IPCs, you will benefit from

- Industrial functionality at an attractive price
- State-of-the-art PC technology
- Multifaceted interfaces for easy integration into new and existing systems
- Variants available off the shelf for short delivery times

	IPC347E Rack-PC	IPC327E Box-PC	IPC377E Panel-PC
Display size, operator input			12", 15", 19" / analog-resistive with glass front
Processor	Intel Core i5-4570S (Quad Core; 2.9 GHz/3.6 GHz); Intel Pentium G3420 (Dual Core; 3.2 GHz)	Intel Celeron N3160 (Quad Core; 1.6 GHz/2.24 GHz)	
RAM	2 GB, 4 GB or 8 GB (pre-installed), up to 16 GB supported	4 GB (pre-installed), up to 8 GB supported	
Communication interfaces	2x 10/100/1000 Ethernet RJ45		
Serial interfaces	2 x RS-232 / 422 / 485 (switchable)	4 x RS-232 2 x RS-232 / 422 / 485 (switchable)	2 x RS-232 2 x RS-232 / 422 / 485 (switchable)
USB interfaces	2 x USB 3.0 4 x USB 2.0 1 x USB 2.0 internal	2 x USB 3.0 4 x USB 2.0	2 x USB 3.0 2 x USB 2.0
Graphic interfaces	1 x DVI-D 1 x VGA	1 x Display Port 1 x VGA	
Further interfaces	2 x PS/2; Audio in/out	Audio out	
Memory	500 GB / 1 TB HDD / 256 GB SSD	500 GB HDD	
Operating system	without / Win7 Ult.		
Power supply	100/240 V AC	24 V DC	
Operating temperature	5–40 °C	0–40 °C (for HDD & 10 W USB load)	
Certificates	Industry standards (UL, CE, etc.)		
Expandability	4 x PCI 1 x PCIe x 16 1 x PCIe x 8 1 x PCIe x 1	mini PCIe (half size)	
Cooling	Overpressure ventilation with dust protection filter	without fan	

Reliable and future-oriented

Developed and built for industry

We do not make any compromises in the quality of our SIMATIC IPCs. Development, production, delivery tests, and transport correspond to our high standards for reliability, robustness, and functionality. They, of course, have all of the relevant industry certificates and are thus ready for worldwide use.

The SIMATIC Basic IPCs are also designed in such a way that they function reliably around the clock, 365 days a year. To make sure this remains so for many years, we have established an appropriate service and support concept for fast and efficient help – not only for fault cases.

Ready for the digital factory

The linking of information across all levels of a company results in increasing requirements for the acquisition and preparation of production and manufacturing data in production and manufacturing. This trend will increase even more with the advances in digitalization.

With the SIMATIC Basic IPCs, you are relying on an open, high-performance and future-proof platform, which you can use to reliably collect, process, and send your data – to other parts of the system, in-house IT, or the Cloud. In this way, you are making your machines and plants fit for the challenges of the digital factory.

Easy, flexible mounting
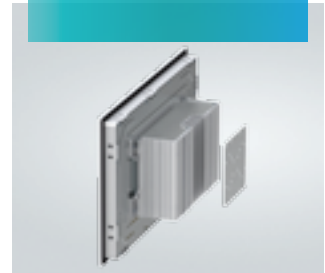
Rail mounting without tools

Wall mounting horizontal and vertical

Horizontal or vertical mounting in the control cabinet

or wall mounting with VESA

Three designs, more options

SIMATIC IPC347E
Rack PC in 19" format

The SIMATIC IPC347E in 19" format is designed for 24-hour continuous use with increased temperature, vibration, shock and EMC requirements. Due to a filter mat and overpressure ventilation, no further dust protection measures are required.

- Designed for 24/7 continuous operation in industrial environment
- Space-saving mounting in cabinets with depths starting at 500 mm
- Robust, service-friendly all-metal enclosure
- No additional dust protection measures required
- Flexible expandability through PCI and PCIe

SIMATIC IPC327E
Fan-free Box PC

The SIMATIC IPC327E Box PC is the basic industrial PC in compact box design. It can also be flexibly mounted under tight space conditions in control cabinets or directly on the machine and optimally utilizes the existing space.

- Compact Box PC for space-saving installation
- Industry-standard mounting options on DIN rails or wall mounting
- All of the interfaces on one side of the enclosure for easy access
- Device design without fan

SIMATIC IPC377E
Panel PC with robust glass display
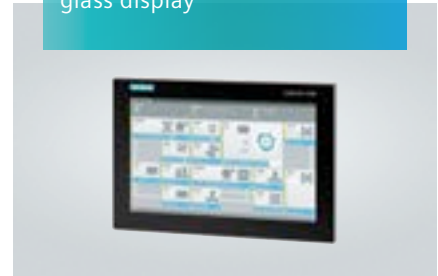
The SIMATIC IPC377E Panel PC combines the openness and performance of an industrial PC with a long-lasting, robust single-touch display with glass front, with display sizes of 12, 15, or 19 inches.

- Flexible installation options (installation in the control cabinet, VESA), vertical and horizontal
- Industry-standard display for fatigue-free work
- Device design without fan
- Attractive packages with HMI software

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