SIMATIC IPCs Assembled in the USA

Nano and Micro Series now available from Siemens Assembly Center Lebanon, OH

usa.siemens.com/ipc
A range of products now assembled in the U.S.

Siemens offers selected options of Industrial Personal Computers from the Embedded portfolio.

As the demand for IPCs in the U.S. continues to grow, Siemens is making it easier for customers to get the units they order faster.

The units selected for assembly represent the most popular configurations from our U.S.-based customers and result in significantly reduced lead times. Additional IPC models will be added over time to the Lebanon, OH facility to further meet customer needs.

These U.S. assembled units will be built with the same rigorous standards as those units produced in Germany, with more than 50 tests, including a 24-hour burn in test, to guarantee the highest quality.

Customer benefits?

- Lead times will be reduced by 40%.
- These products are labeled “Assembled in USA” to qualify for government contracts.
- Factory tours are available for customers to experience Siemens Quality and Standards in our production process.

You can continue to order the full line of Siemens IPC products. Those configurations not produced in the Lebanon facility will continue to be manufactured in Germany.
SIMATIC IPC Options from U.S. Assembly Center

Fanless and Maintenance-Free: SIMATIC Embedded IPCs

The compact, fanless industrial PC for use in machines, control enclosures, and control cabinets. The Panel and Box PC, the two series of SIMATIC Embedded IPCs, can be used to perform a variety of tasks directly on the machine or within a process. This includes control and operation, monitoring of machine data, and image processing and are ideal as a data concentrator or gateway.

**SIMATIC IPC Nano Series: Nano Box PC IPC227E, Nano Panel PC IPC277E – ultracompact**

Where space is limited and a compact solution is required, the SIMATIC IPC2x7E series is perfect. The enclosure volume is less than 1 liter. The devices in the series are extremely rugged, can be used at ambient temperatures up to 60°C, and are highly energy saving thanks to special processors.

**SIMATIC IPC Micro series: Micro Box PC IPC427E, Micro Panel PC IPC477E – the little powerhouse**

The features that distinguish the SIMATIC IPC4x7E series are a powerful processor technology in a compact, fanless design. Thanks to their flexible storage concepts and varied interfaces, these devices can easily be tailored to special requirements and integrated into your infrastructure.
## Technical Information

### SIMATIC IPC 227E

| Processor and Fieldbus | • Celeron N2807 (2C/2T)  
|                        | • Celeron N2930 (4C/4T)  
|                        | • Celeron N2807 (2C/2T) / TPM  
|                        | • Celeron N2930 (4C/4T) / TPM  |
| Mounting 2 | • DIN-Rail  
|            | • Wall-mount  
|            | • Book-mount  
| RAM | • 2 GB RAM  
|     | • 4 GB RAM  
|     | • 8 GB RAM  
|     | • 2 GB RAM/NV/RAM  
|     | • 4 GB RAM/NV/RAM  
|     | • 8 GB RAM/NV/RAM  
| Extension (HW) | • Box: Base/without COM  
|                | • Box: Base/with COM1/2  
|                | • Box: PCIe/without COM  
|                | • Box: PCIe/with COM1/2  
| Operating System | • Without operating system  
|                  | • Windows Embedded Standard 7 E SP1, English, 32Bit  
|                  | • Windows Embedded Standard 7 E SP1, English, 64Bit  
|                  | • Windows Embedded Standard 7 P SP1, MUI, 32Bit  
|                  | • Windows Embedded Standard 7 P SP1, MUI, 64Bit  
|                  | • Windows7 Ultimate SP1, 32Bit, MUI (DE, EN, ES, FR, IT)  
|                  | • Windows7 Ultimate SP1, 64Bit, MUI (DE, EN, ES, FR, IT)  
|                  | • Windows 10 IoT Enterprise LTSB 2016, 64Bit, MUI (DE, EN, ES, FR, IT)  
| Drives | • Without drive, with CFast-Slot  
|        | • 4 GB CFast  
|        | • 8 GB CFast  
|        | • 16 GB CFast  
|        | • 30 GB CFast  
|        | • 240 GB SSD  
|        | • 480 GB SSD  
|        | • 320 GB HDD  
| Software Configuration Preinstalled (bundles) | • Without SIMATIC software  
| Power Supply | • 24 V DC industrial power supply |

### SIMATIC IPC 277E

| Processor and Fieldbus | • Celeron N2807 (2C/2T)  
|                        | • Celeron N2930 (4C/4T)  
|                        | • Celeron N2807 (2C/2T) / TPM  
|                        | • Celeron N2930 (4C/4T) / TPM  |
| Front Panel 2 | • 7” Singletouch (800x480)  
|                | • 9” Singletouch (800x480)  
|                | • 12” Singletouch (1280x800)  
|                | • 15” Singletouch (1280x800) Front-USB  
|                | • 19” Singletouch (1366x768) Front-USB  
|                | • 12” Multitouch (1280x800; with WES7-E only ST-mode)  
|                | • 15” Multitouch (1366x768; with WES7-E only ST-mode)  
|                | • 19” Multitouch (1366x768; with WES7-E only ST-mode)  
| RAM | • 2 GB RAM  
|     | • 4 GB RAM  
|     | • 8 GB RAM  
|     | • 2 GB RAM/NV/RAM  
|     | • 4 GB RAM/NV/RAM  
|     | • 8 GB RAM/NV/RAM  
| Operating System | • Without operating system  
|                  | • Windows Embedded Standard 7 E SP1, English, 32Bit  
|                  | • Windows Embedded Standard 7 E SP1, English, 64Bit  
|                  | • Windows Embedded Standard 7 P SP1, MUI, 32Bit  
|                  | • Windows Embedded Standard 7 P SP1, MUI, 64Bit  
|                  | • Windows7 Ultimate SP1, 32Bit, MUI (DE, EN, ES, FR, IT)  
|                  | • Windows7 Ultimate SP1, 64Bit, MUI (DE, EN, ES, FR, IT)  
|                  | • Windows 10 IoT Enterprise LTSB 2016, 64Bit, MUI (DE, EN, ES, FR, IT)  
| Drives | • Without drive, with CFast-Slot  
|        | • 4 GB CFast  
|        | • 8 GB CFast  
|        | • 16 GB CFast  
|        | • 30 GB CFast  
|        | • 240 GB SSD  
|        | • 480 GB SSD  
| Software Configuration Preinstalled (bundles) | • Without SIMATIC software  
| Power Supply | • 24 V DC industrial power supply |

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1 Not for China  
2 Options on mounting that require ATEX/IECEx Cat 3GZones not available. Option available when shipped from Germany.  
NOTE: These are our current configuration options, subject to change. Consult your Siemens Sales Representative for most recent information.
**Technical Information**

### SIMATIC IPC 427D

| Processor and Fieldbus | • Core i3-3217UE (2C/4T, 1.6GHz, 3MB Cache); 2x Gigabit Ethernet (IE/PN)  
| | • Core i7-3517UE (2C/4T, 1.7GHz, 4MB Cache); 2x Gigabit Ethernet (IE/PN) |
| Mounting | • DIN-Rail  
| | • Wall-mount |
| RAM | • 2 GB RAM  
| | • 4 GB RAM  
| | • 8 GB RAM |
| Extension (HW) | • One RS232, without PCIe  
| | • One RS232 and one PCIe |
| Operating System | • Without operating system  
| | • Windows Embedded Standard 7 SP1, English, 32Bit  
| | • Windows Embedded Standard 7 SP1, English, 32Bit  
| | • Windows Embedded Standard, 7 SP1, English, 64Bit  
| | • Windows7 Ultimate SP1, English, 32Bit, MUI (DE, EN, ES, FR, IT)  
| | • Windows7 Ultimate SP1, English, 64Bit, MUI (DE, EN, ES, FR, IT) |
| Drives Changeable (accessible) | • Without external mass storage  
| | • CFAST 4GB (only optional with operating system/SW, if no internal mass storage or HDD) |
| Drive Internal (not accessible) | • Without internal mass storage  
| | • 4 GB CFast  
| | • 240GB Solid-State Drive SATA |
| Software Configuration Preinstalled (bundles) | • Without SIMATIC software |
| Power Supply | • 24 V DC industrial power supply |

### SIMATIC IPC 477D

| Processor and Fieldbus | • Core i3-3217UE (2C/4T, 1.6GHz, 3MB Cache); 2x Gigabit Ethernet (IE/PN)  
| | • Core i7-3517UE (2C/4T, 1.7GHz, 4MB Cache); 2x Gigabit Ethernet (IE/PN) |
| Front Panel | • 15" Single-touch (1280x800) Front-USB  
| | • 19" Single-touch (1366x768) Front-USB  
| | • 22" Touch (1920x1080) with Front-USB |
| RAM | • 2 GB RAM  
| | • 4 GB RAM  
| | • 8 GB RAM |
| Extension (HW) | • One RS232, without PCIe |
| Operating System | • Without operating system  
| | • Windows Embedded Standard SP1, English, 32Bit  
| | • Windows Embedded Standard, SP1, English, 64Bit  
| | • Windows7 Ultimate SP1, English, 32Bit, MUI (DE, EN, ES, FR, IT)  
| | • Windows7 Ultimate SP1, English, 64Bit, MUI (DE, EN, ES, FR, IT) |
| Drives Changeable (accessible) | • Without external mass storage  
| | • CFAST 4GB (only optional with operating system/SW, if no internal mass storage or HDD) |
| Drive Internal (not accessible) | Without internal mass storage  
| | • CFAST 4GB  
| | • 160GB Solid-State Drive SATA |
| Software Configuration Preinstalled (bundles) | • Without SIMATIC software |
| Power Supply | • 24 V DC industrial power supply |

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1 Not for China  
2 Options on mounting that require ATEX/IECEx Cat 3GZones not available. Option available when shipped from Germany.  
NOTE: These are our current configuration options, subject to change. Consult your Siemens Sales Representative for most recent information.
## Technical Information

### SIMATIC IPC 427E

**Processor and Fieldbus**
- Celeron G3902E; 2x Gigabit Ethernet (IE/PN)
- Celeron G3902E; 3x Gigabit Ethernet (IE/PN)
- Core i3-6102E; 3x Gigabit Ethernet (IE/PN)
- Core i5-6442EQ; 3x Gigabit Ethernet (IE/PN)
- XEON E3-1505L; 3x Gigabit Ethernet (IE/PN)

**Mounting**
- DIN-Rail
- Wall-mount
- Book-mount

**RAM**
- 4GB
- 8GB
- 16GB
- 8GB with ECC
- 16GB with ECC

**Extension (HW)**
- No RS232/485, without PCIe
- No RS232/485 and one PCIe
- Two RS232/485 and without PCIe
- Two RS232/485 and one PCIe

**Operating System**
- Without Operating system
- Windows Embedded Standard 7 E SP1, English, 32Bit
- Windows Embedded Standard 7 E SP1, English, 64Bit
- Windows Embedded Standard 7 P SP1, MUI, 64Bit, Multitouch
- Windows 7 Ultimate SP1, 64Bit, MUI (DE, EN, ES, FR, IT)
- Windows 10 Enterprise 2016 LTSB (64Bit) for Celeron, i3 and i5
- Windows 10 Enterprise 2016 LTSB (64Bit) for Processor Xeon

**Drive Changeable (accessible)**
- Without external mass storage
- CFAST 2GB, without Operating system
- CFAST 4GB, without Operating system
- CFAST 8GB, without Operating system
- CFAST 16GB (only optional with OS/SW, if no internal mass storage)
- CFAST 30GB (only optional with OS/SW, if no internal mass storage)

**Drive Internal (not accessible)**
- Without internal mass storage
- 240 GB Solid-State Drive SATA
- 480 GB Solid-State Drive SATA
- 320GB HDD

**Software Configuration Preinstalled (bundles)**
- Without SIMATIC software

**Power Supply**
- 24 V DC industrial power supply
- 24V DC industrial power supply and TPM (not for China)

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### SIMATIC IPC 477E

**Processor and Fieldbus**
- Celeron G3902E; 3x Gigabit Ethernet (IE/PN)
- Core i3-6102E; 3x Gigabit Ethernet (IE/PN)
- Core i5-6442EQ; 3x Gigabit Ethernet (IE/PN)
- XEON E3-1505L; 3x Gigabit Ethernet (IE/PN)

**Front Panel**
- 15” Single-touch (1280 x 800) with Front-USB
- 19” Single-touch (1366 x 768) with Front-USB
- 22” Single-touch (1920 x 1080) with Front-USB
- 15” Multitouch (1366 x 768; with WES7-E only ST-mode)
- 19” Multitouch (1366 x 768; with WES7-E only ST-mode)
- 22” Multitouch (1920 x 1080; with WES7-E only ST-mode)
- 15” Single-touch (1280 x 800), Neutral Panel with Front-USB
- 19” Single-touch (1280 x 800), Neutral Panel with Front-USB
- 22” Single-touch (1280 x 800), Neutral Panel with Front-USB
- 15” Multitouch (1366 x 768) Neutral Panel (with WES7-E only ST-mode)
- 19” Multitouch (1366 x 768) Neutral Panel (with WES7-E only ST-mode)
- 22” Multitouch (1920 x 1080) Neutral Panel (with WES7-E only ST-mode)

**RAM**
- 4GB
- 8GB
- 16GB
- 8GB with ECC
- 16GB with ECC

**Extension (HW)**
- No RS232/485, without PCIe
- No RS232/485 and one PCIe
- Two RS232/485 and without PCIe
- Two RS232/485 and one PCIe

**Operating System**
- Without Operating system
- Windows Embedded Standard 7 E SP1, English, 32Bit
- Windows Embedded Standard 7 E SP1, English, 64Bit
- Windows Embedded Standard 7 P SP1, MUI, 64Bit, Multitouch
- Windows 7 Ultimate SP1, 64Bit, MUI (DE, EN, ES, FR, IT)
- Windows 10 Enterprise 2016 LTSB (64Bit) for Celeron, i3 and i5
- Windows 10 Enterprise 2016 LTSB (64Bit) for Processor Xeon

**Drive Changeable (accessible)**
- Without external mass storage
- CFAST 2GB, without OS
- CFAST 4GB (only optional with OS/SW, if no internal mass storage or HDD)
- CFAST 8GB (only optional with OS/SW, if no internal mass storage or HDD)
- CFAST 16GB (only optional with OS/SW, if no internal mass storage or HDD)
- CFAST 30GB (only optional with OS/SW, if no internal mass storage or HDD)

**Drive Internal (not accessible)**
- Without internal mass storage
- 240 GB Solid-State Drive SATA
- 480 GB Solid-State Drive SATA
- 320GB HDD

**Software Configuration Preinstalled (bundles)**
- Without SIMATIC software

**Power Supply**
- 24 V DC industry power supply
- 240/230V AC Industrie-Netzteil mit Namur; without power cord
- 110/230V AC Industrie-Netzteil mit Namur; TPM; without power cord
- 24 V DC industry power supply and TPM (not for China)

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1 Not for China
2 Options on mounting that require ATEX/IECEx Cat 3G zones not available. Option available when shipped from Germany.

NOTE: These are our current configuration options, subject to change. Consult your Siemens Sales Representative for most recent information.
Ready for the digital factory

With our SIMATIC IPCs, you can count on the highest quality. We designed these devices for reliable continuous operation in an industrial environment. To meet our quality standards from the development process to the product itself, we manufacture the mainboards for increased industrial requirements in state-of-the-art plants. Other than SIMATIC Embedded platform assembled in USA, Siemens offers a wide range of products for many tasks*.

**High performance and fast system response: SIMATIC Advanced and High End**

High-end and Advanced IPCs provide you with the ideal balance between innovative technology, high performance, and superlative investment protection. The devices are available as Rack, Box, or Panel PCs and are intended for use in the control room or as a high-performance, machine-level system in data-intensive processes.

**IPC with attractive prices: SIMATIC Basic**

The ideal platform for tasks in industrial environments and score due to considerably higher robustness and availability compared to office PCs. You can quickly find the industrial PC for your requirements, save storage costs, and benefit from an attractive price-performance ratio, which also pays off in the long term.

**For monitoring and operation: SIMATIC IFP, IFP PRO, ITC and ITC PRO**

Wherever you require fast access to information and data in an extensive or distributed network, our industrial monitors and Thin Clients are right at home. When conditions get a little harsh, these devices are also available with all-round IP65 protection.

**IPC for Mobile computing: SIMATIC ITP1000**

The Industrial Tablet PC is an extraordinarily powerful tablet PC with a 10” display for industrial applications. It combines everything that an industrial PC needs: a rugged industrial design, sophisticated interfaces for optimal compatibility, and components with long-term availability so that you can not only customize the configuration of your Industrial Tablet PC but can also continue to use it for many years.

**IPC Devices for special applications: HMI Ex and HMI INOX**

To meet special ruggedness, security, or hygiene requirements, we also offer our SIMATIC IPCs from a catalog in numerous versions, made from special materials, and with various degrees of protection and special certifications. Can’t find your application? At your request, we’ll develop and build an entirely customized system according to your specifications.

*Products available when shipped from Germany.
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Siemens Industry, Inc.
5300 Triangle Parkway
Norcross, GA 30092

For more information, please contact our Customer Support Center.
Phone: 1-800-241-4453
E-mail: info.ipc.us@siemens.com

usa.siemens.com/ipc

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