



## Sartorius Industrial PC



# Industrial PC

## Hygienic, ergonomic and adaptable



IPC15S shown here with optional ceiling mounting



IPC12S



Bracket for benchtop or wall mounting installed on the IPC12S



IPC15S

The efficiency of the operator terminal is a crucial factor in the performance capability of a control system. The terminal must deliver clear, easy-to-understand information directly on the production line to enable early detection of deviations from target values and prompt adjustment of the filling system – before tolerance limits are exceeded or reject batches are produced.

The Industrial PC from Sartorius features easy operation, extensive functionality and excellent readability, even at great distances and under poor lighting conditions. What's more, the Industrial PC can be individually configured.

### Quality

Made in Germany to ISO 9001 standards

- Subject to comprehensive testing
- Certifications:
  - CE marking
  - EMC and safety directives
  - FCC
  - UL 60950
  - RoHS-compliant

### Features of all Sartorius IPC models

- Extremely compact, rugged housing, built for all industrial environments
- Entirely enclosed; no accident-sensitive external fan
- Completely water- and dust-tight (IP65 protection)
- Resistant to shocks and vibration as well as acids and alkali solutions
- Equipped with specially developed all-in-one main board
- Main boards equipped with Intel processors of 400 MHz to 1.4 GHz and genuine Intel chip sets
- Extremely rugged and easy-to-operate resistive touchscreen
- High-readability TFT display with brightness up to 430 CD
- Equipped with micro-controller (monitoring and control functions)
- Broad range of accessories for adaptation to individual requirements

# User-friendly operation and top-level functionality

## Basic versions in aluminum housing:

	IPC08AL-TSB	IPC12AL-TSB	IPC12AL-TSP
Design	Compact design thanks to closed aluminum housing with IP65 protection. Surface protected by fine-structured/nanostructured coating (industrial cable glands), suitable for use in the process industry Bracket for benchtop or wall mounting with adjustable angle Fins for cooling constitute a field-proven heat management system that enables a closed housing design for reduced emissions combined with reliable continuous operation.		
Dimensions (W×H×D)	232 × 185 × 99 mm	320 × 255 × 106 mm	320 × 255 × 106 mm
Weight	3.75 kg	5.6 kg	5.6 kg
Processor	Mobile Intel Celeron, 400 MHz	Mobile Intel Celeron, 400 MHz	Intel Pentium III, 933 MHz
Memory and storage	256 MB RAM, 60 GB hard drive		
Display	8.4" active color TFT display SVGA resolution (800×600)	12.1" active color TFT display SVGA resolution (800×600)	
Operation	Mouse-compatible analog resistive touchscreen		
Interfaces	Built-in Ethernet adapter, 10/100 Mbit/s (RJ45) Two serial RS-232C, two USB 1.1 One Mini PCI slot Ports for PS/2 keyboard, PS/2 mouse, VGA color monitor Power supply: 12V DC, 40 VA, external AC adapter with mounting bracket included		
Operating system	Windows XP Professional with 5 languages: English, German, French, Spanish, Czech (other languages available on request)		
Options	Digital I/O adapter for PCI bus: YD005IPC (not for IPC08AL-TSB) APCI 1516, 8 digital inputs, 8 digital outputs, 24V DC Outputs: 500 mA, output current, short-circuit proof, all channels electrically isolated by opto-electronic coupler (1000 V), reverse pole protected, equipped with RC filter Other accessories, including carriers, other types of interfaces (including for IPC08AL-TSB), memory expansion modules, input devices, etc., are available on request.		



IPC08AL



IPC12AL

## Industrial PC from Sartorius: the foundation of your monitoring system

Industrial PCs from Sartorius meet all the requirements of a dependable input tool for every type of data acquisition; for example, at critical control points in your process. Use it to collect data on weight – dynamically or statically – or factors such as temperature, pH-value, or any other process-relevant parameters. You can choose whether data is collected automatically or entered manually using the ergonomic touchscreen. Real-time data analysis with Sartorius ProControl for Windows software (SPCWin) permits timely intervention for corrective measures, and gives you the confidence of having your high production standards documented at all times – for your records, and for your customers.

# User-friendly operation and top-level functionality even under the toughest conditions

## Stainless steel versions:

	IPC12S-TSB/IPC12S-TSP	IPC15S-TSB/IPC15S-TSP
Design	Stainless steel	
	Bracket for benchtop or wall mounting with adjustable angle	
	The field-proven heat management system enables a closed housing design for reduced emissions combined with reliable continuous operation.	
Dimensions (W×H×D)	364×254×78 mm	422×311×98 mm
Weight	6.00 kg	8.5 kg
Processor	Intel Celeron M 1.0 GHz (TSB models)	Intel Pentium M 1.4 GHz (TSP models)
Memory and storage	512 MB RAM, 60 GB hard drive	
Display	12.1" active color TFT display, XGA resolution (800×600)	15.0" active color TFT display, SVGA resolution (1024×768)
Operation	Mouse-compatible analog resistive touchscreen	
Interfaces	Built-in Ethernet adapter, 10/100 Mbit/s (RJ45) – TSB 10/100/1000 Mbit/s (RJ45) – TSP	
	Two serial RS-232C, four USB 2.0   two Firewire 400	
	One Mini PCI slot and two PCI slots	
	Ports for PS/2 keyboard, PS/2 mouse, DVI color monitor	
	Power supply: 24V DC, external AC adapter with mounting bracket included	
Operating system	Windows XP Professional with 5 languages: English, German, French, Spanish, Czech (other languages available on request)	
Options	Digital I/O adapter for PCI bus: YD005IPC APCI 1516, 8 digital inputs, 8 digital outputs, 24V DC Outputs: 500 mA, output current, short-circuit proof, all channels electrically isolated by opto-electronic coupler (1000 V), reverse pole protected, equipped with RC filter	
	Other accessories, including carriers, other types of interfaces, memory expansion modules, input devices, etc., are available on request	



IPC12S



IPC15S

## Industrial PC from Sartorius: a weighing station for your formulation system

Industrial PCs from Sartorius meet all requirements for a weighing station in manual weighing and formulation of recipes from diverse raw materials. You can connect one or more weighing platforms to the Industry PC, which acts as an operating terminal for selection of work orders and execution of processes. User guidance is provided during weighing by a bar graph that indicates filling status with blue|green|red color coding. The Industrial PC is dust- and water-protected, ideal for all industrial environments. What's more, Sartorius has developed recipe management software specifically for use with the Industrial PC's touchscreen.

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Sartorius AG reserves the right to make changes to the technology, features, specifications and design of the equipment without notice.  
Printed in Germany on paper that has been bleached without any use of chlorine.  
W/sart-296 · G  
Publication No.: W--1106-e07082  
Order No.: 98649-004-20