Pro-face
for the best interface

New IPC
PS5000 Series

What do you need for your machine?

Brand new PS Series!

Powerful Solution

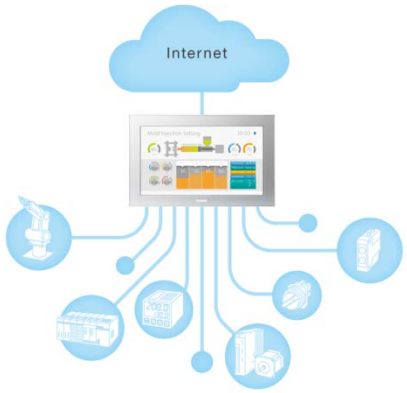
PS5000 specifications are best class in industry and
is flexibility to connect to various controllers.

A change to more powerful and flexible manufacturing with New PS.

What do you need for your machine?

Performance?

Connectivity?



Design?

Maintenance?

Reliability?

Application with Powerful Solution

▶ Lineup ▶ Specification ▶ Interface(3D) ▶ Configurator

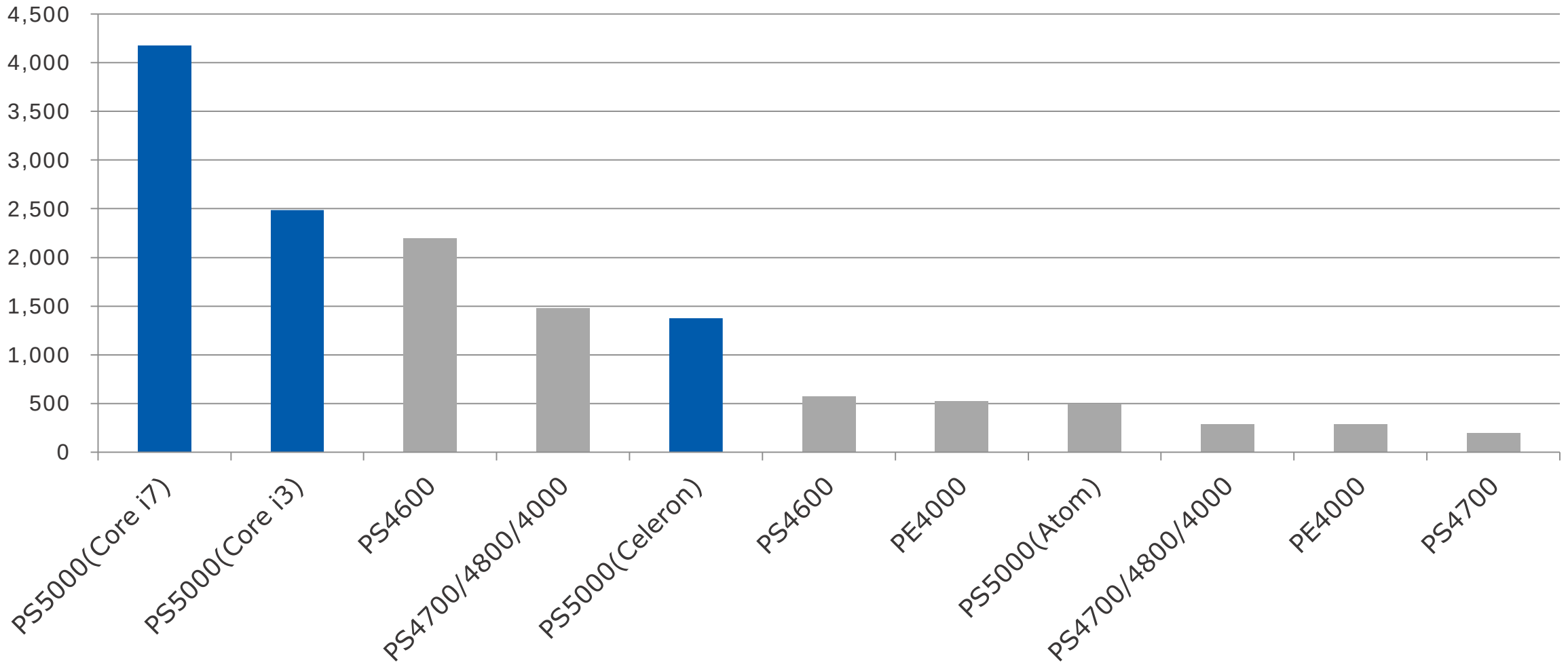
Smoothly operation of heavy contents

▶ Top

benchmark

More...

CPU benchmark



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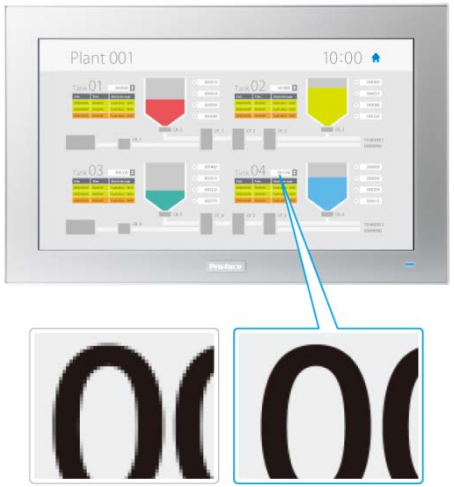
More...

Performance

Excellent performance in a comfortable package

A generous helping of the latest technology, even for an industrial computer, gives this industrial PC a surprising edge performance-wise.

High-visibility, high-resolution display



Even when used as an industrial panel computer to show a lot of information from monitoring applications all over the plant, the display shows numbers, letters, inspection images, and other information in a clear and legible manner.

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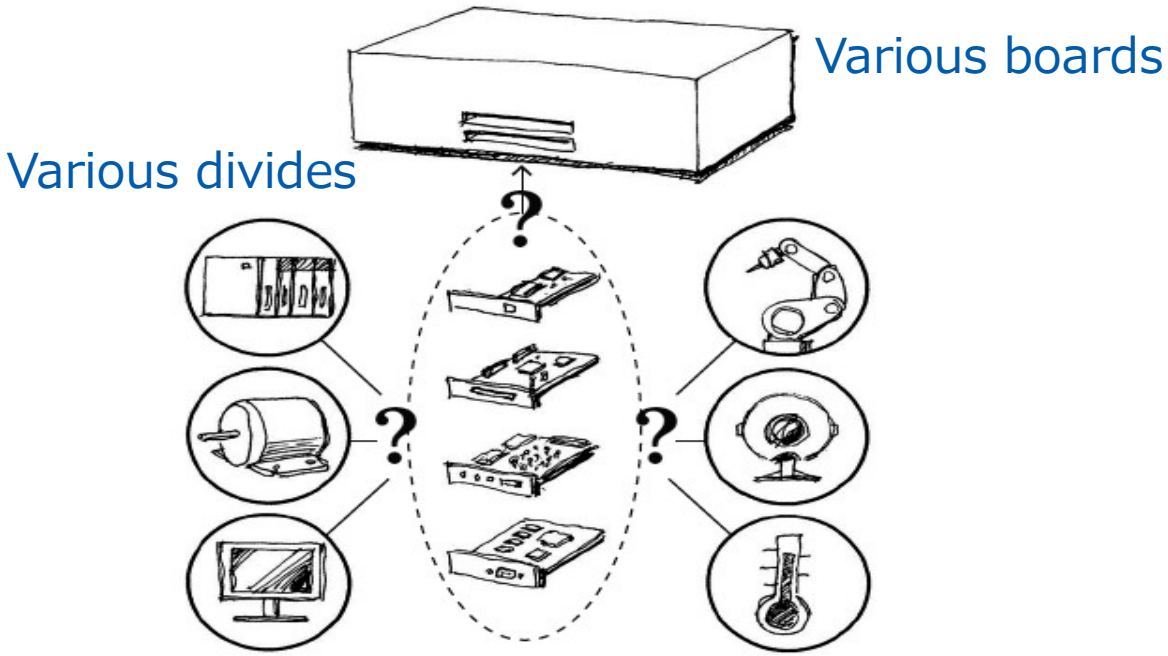
A variety of options to fit the required interface

Before

It takes time for the choice and inspection for board.



After

No more time for choice and inspection. No more slot for expansion.

▶ Top

No more slot | Line Up | More...

No more slot for expansion.

▶ Top

Performance

Items	Description
Ethernet	• 2x GbE LAN with PoE * • GbE LAN (IEEE 1588)
USB	• 2x USB3.0 *
NVRAM	• NVRAM 2MB
COM	• 2x RS-422/485 (with Isolation) • 2x RS-232 (with Isolation) • 4x RS-422/485 • 4x RS232C
Audio	• Line IN, Line OUT, Mic IN *
Cellular	• EDGE/GPRS/GSM, 1 x internal cable, 1x Antenna
Fieldbus	• Profibus DP Master with NVRAM • CANopen
Digital I/O	• 16 DI / 8 DO

*Modular Type only

▶ Top

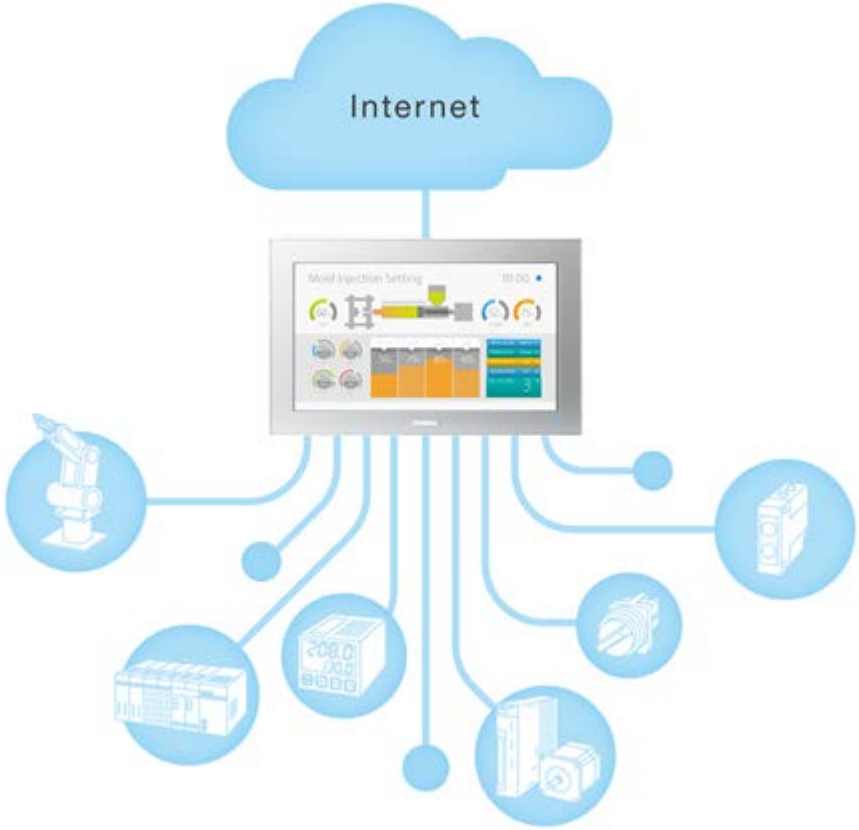
Value | No more slot | More...

Connectivity

Wide variety of drivers for program-less connections to control equipment

An extensive array of drivers is available for freely connecting to any manufacturer's control equipment. In order to ensure usability of a customer's control equipment attached to a device, the available drivers allow communication and control without driver development and with no programming necessary.

Easily connect any control equipment to the internet, bringing it up-to-date via the Internet of Things (IoT).



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Drastically slimmer profile with less wasted space

Smart Operation

By paying close attention to shaving off every possible millimeter, we have achieved an ultra-thin design only about 30% as deep as conventional products.

With a thinner operation panel to deal with when designing equipment, customers can greatly reduce costs associated with purchasing operation panels.

▶ Top

3D

More...

Intuitively operable multi-touch display

▶ Top

3D

More...

Design

High-quality glass face offering ease of use and visibility

The display is made of low-reflectivity glass. And with less glare and higher contrast, the display boasts improved visibility in any setting.

Simple, high-level enclosure design to match industrial applications

Being an industrial PC, this product adopts a minimalist design that does away with wasteful components.

Design- and maintenance-conscious interface layout

To make things easier for designers and maintenance personnel, the interfaces have all been gathered on the lower part of the unit.

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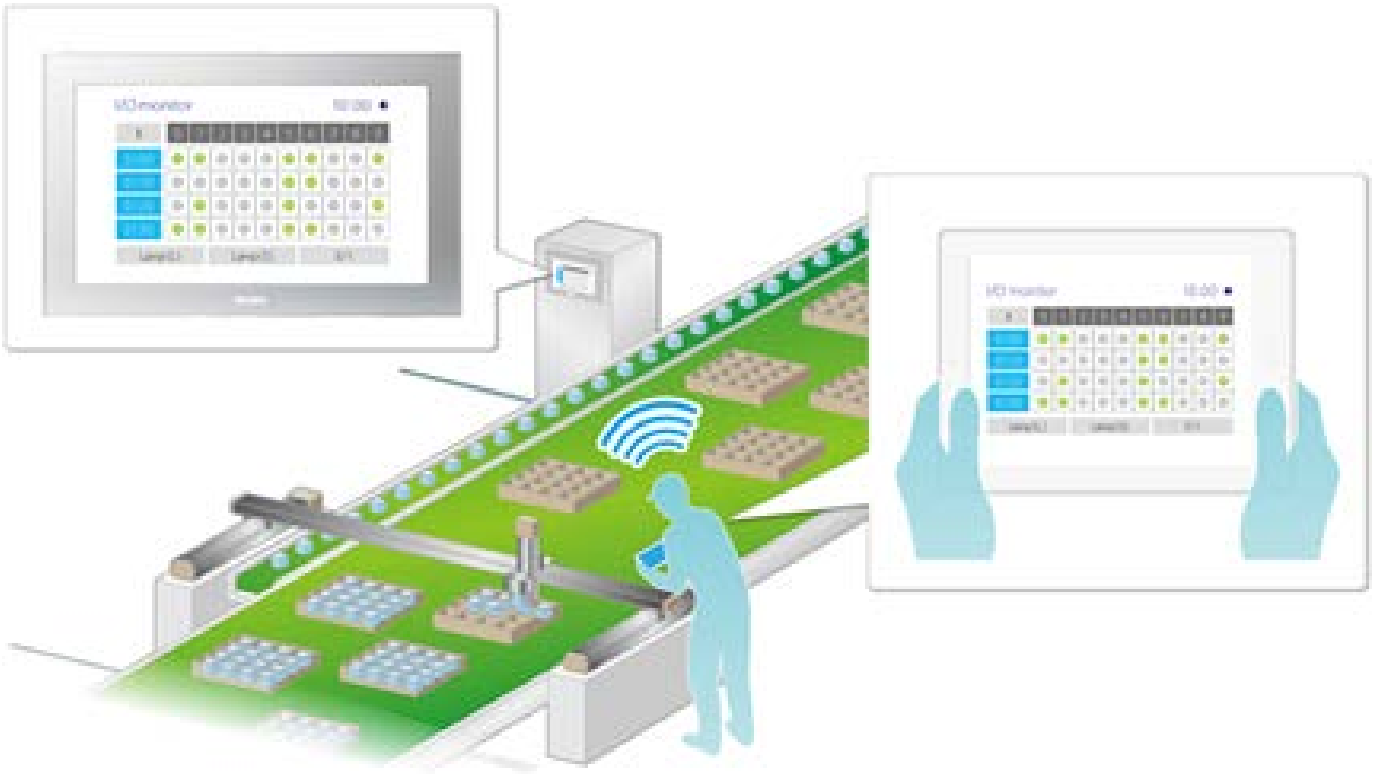
Remote debugging for reduced labor at start-up

The ability to perform operations with a tablet means a worker can continue with operation checks even when the operation panel for checking I/O and other operations is not near the check location, such as with large equipment or lengthy equipment that uses conveyors or the like.

About Pro-face RemoteHMI



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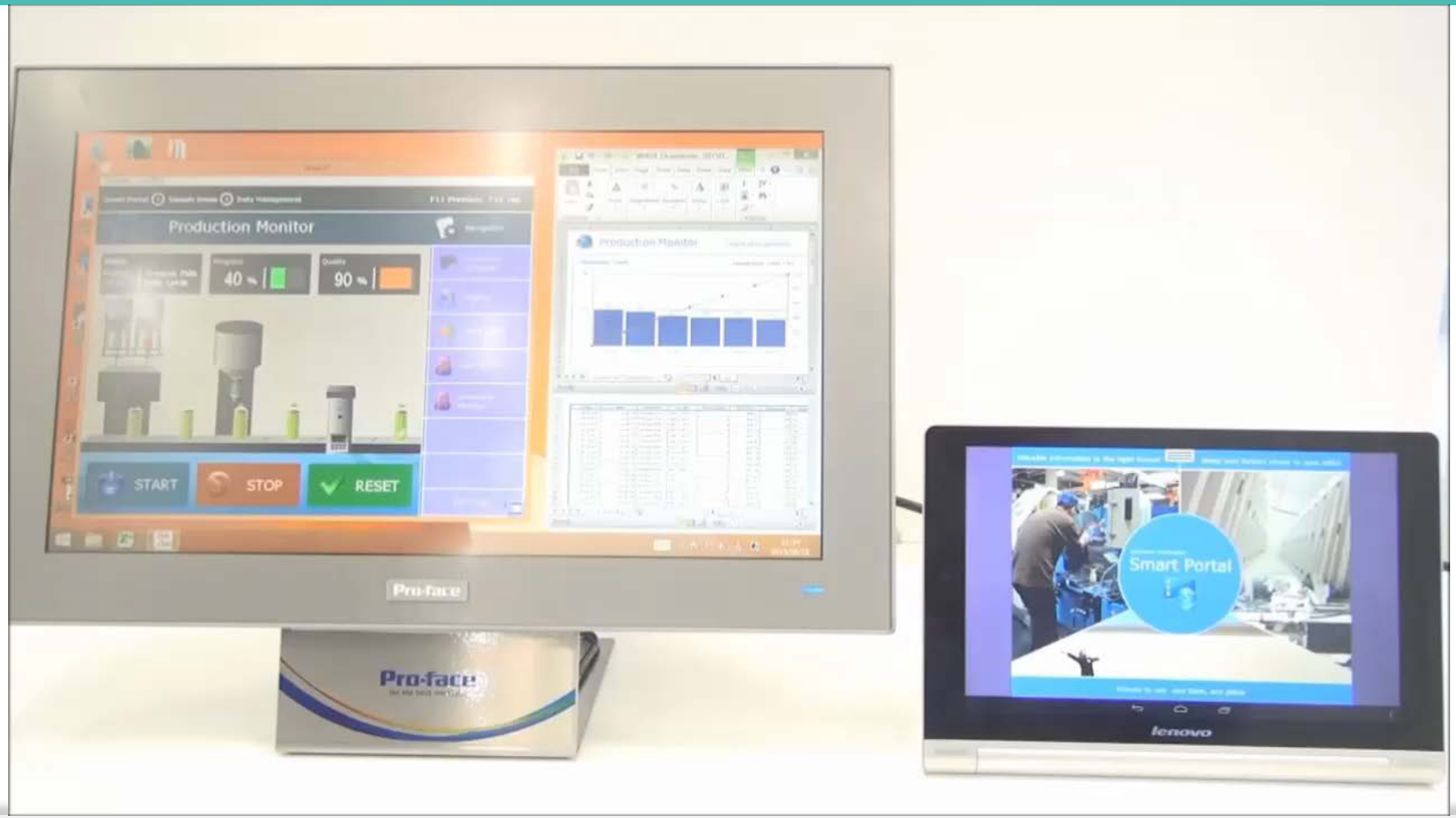
More...

Pro-face Remote HMI



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Maintenance

No need for regular maintenance thanks to a fan-less design

Industrial computer fans for excessive heat can stop functioning due to dust, oil, or other factors from the manufacturing site.

By using a fan-less design, there's no need to change the fan on a regular basis, thus reducing maintenance costs and management effort.

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Washable PC (IP66)

▶ Top

More...

Reliability

Stable, long-term supply of OS updates for a longer equipment life

customer demand requires a design that assumes the equipment will be used for a long time.

Worldwide support for worry-free global expansion

With Pro-face offices all over the world, customers can receive repairs.

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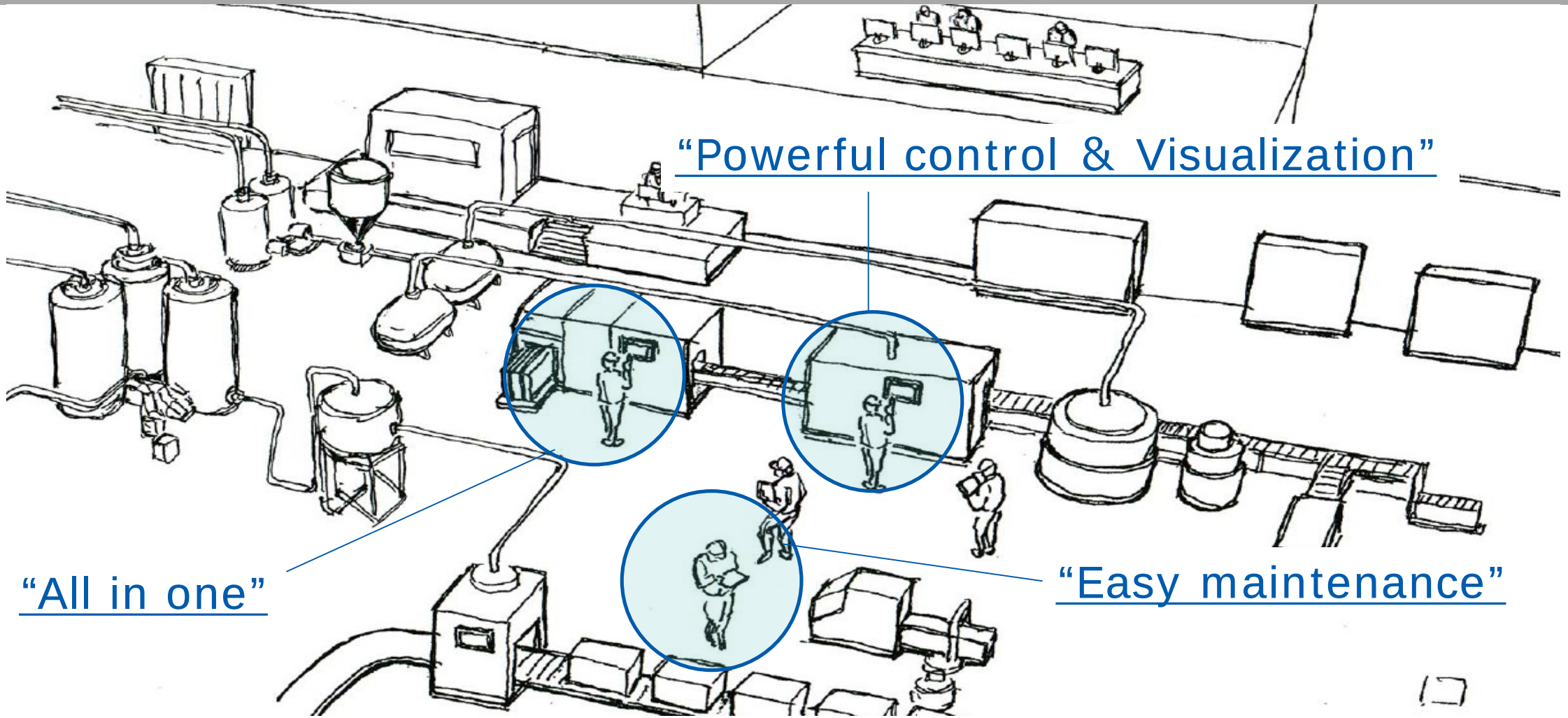
Application with Powerful Solution



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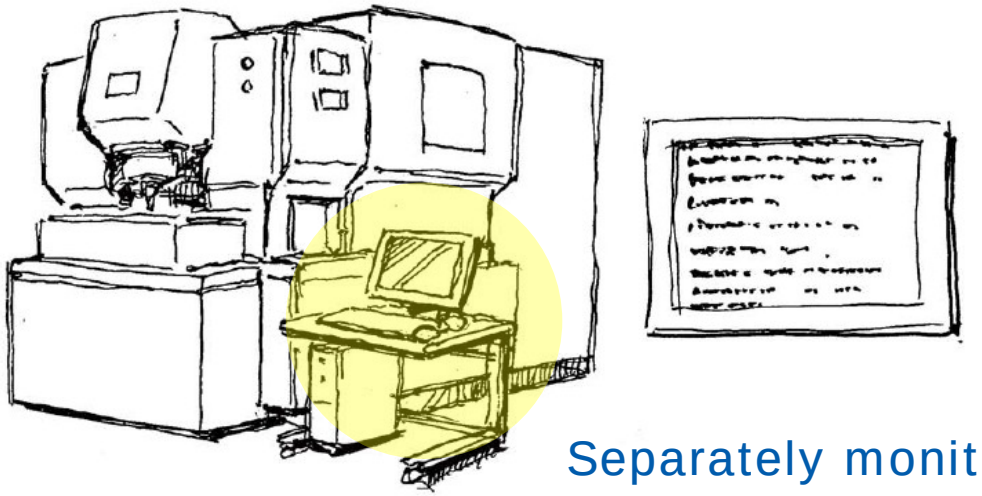
Powerful control& Visualization

Before

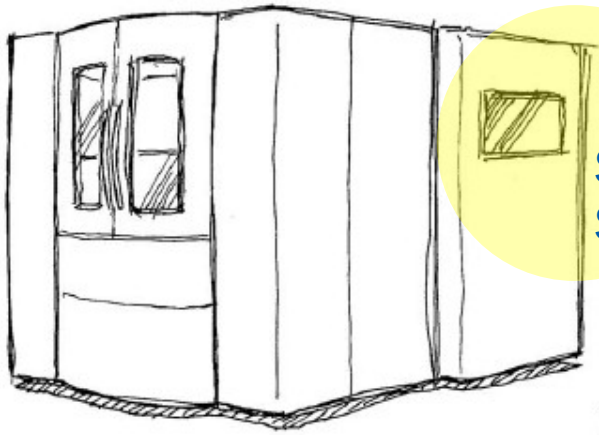
Because high specifications are required,
therefore I use a general PC.
However, separate location is required.



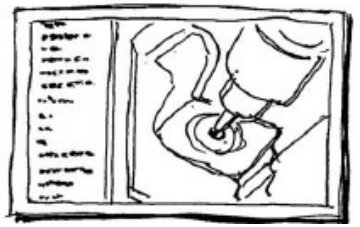
Separately monitor
Separately PC

After

The best performance IPC in the industry.
Both the function and the design become stylish.



Smart operation
Smart design

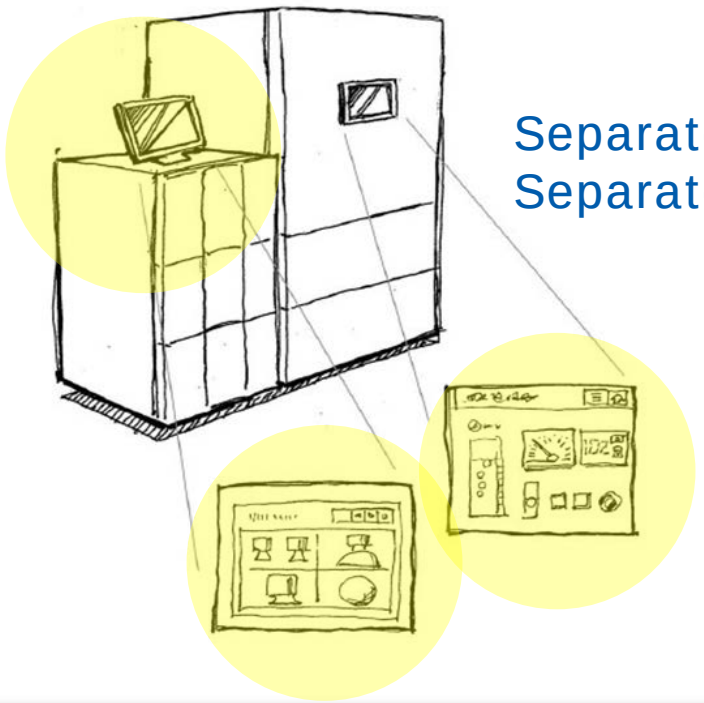


Powerful
control&
Visualization

All in one

Before

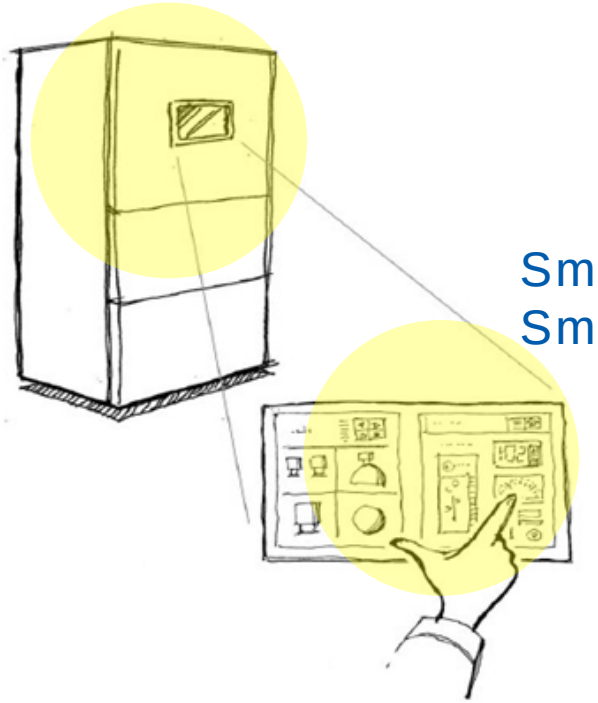
PC and monitor need to be located separately.
Waste of the cost and inefficient operation.



Separately monitor
Separately PC

After

Operate smoothly with a single wide screen.
Besides, it is an exclusive PC-free and is low-cost.



Smart operation
Smart design

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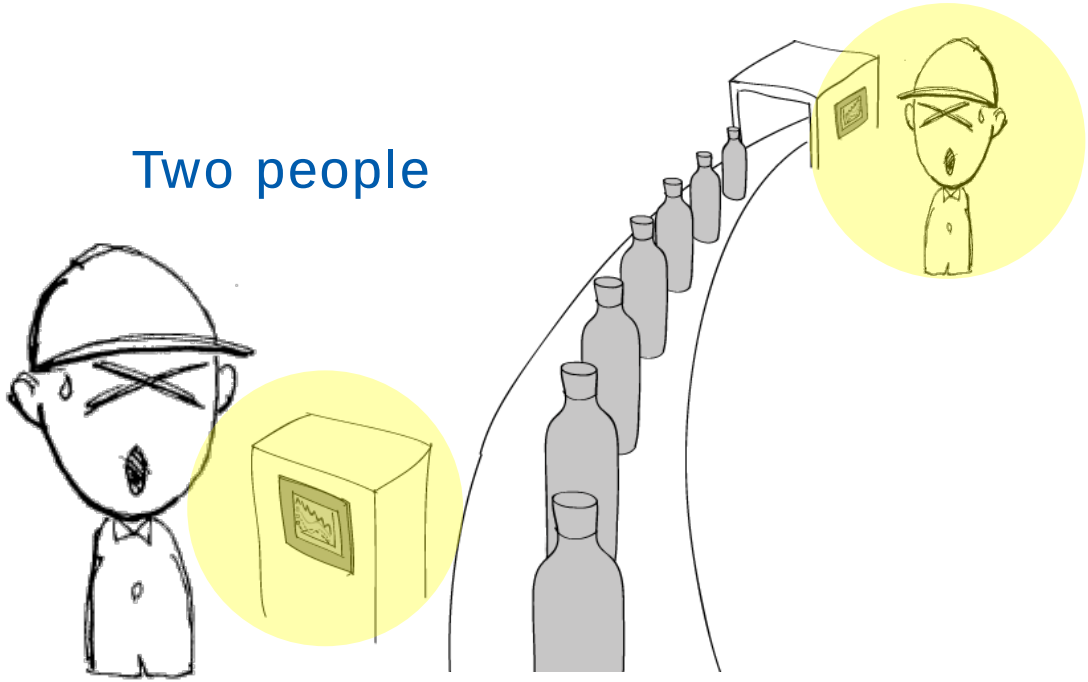
Easy maintenance

Before

It takes time to debug and maintain in a long line or big device by alone. Therefore two people are always necessary.

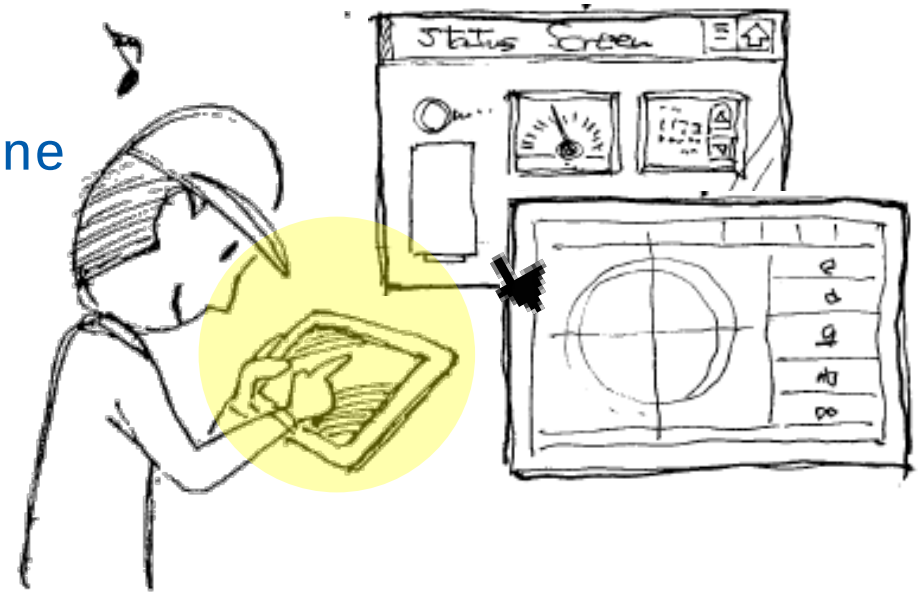
Two people



After

Operate smoothly with a single wide screen. Besides, it is an exclusive PC-free and is low-cost.

Just one



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1 2 3

PS5000 Series Lineup

Now on sale　Coming soon

			BOX	10w”	15”	15w”	19w”	22w”
Modular Type Box PC X　Display module design provides flexible functionality and size	**Core i7 model** 8GB or 16GB	24VDC/ 100-240VAC *option 0/2 slots	–	–	PS-5700T -** <Single touch>	PS-5700W -**	PS-5800W -**	PS-5900W -**
	Celeron model 4GB or 8GB		–	–	PS-5700T -** <Single touch>	PS-5700W -**	PS-5800W -**	PS-5900W -**
Slim Type Slim design with single display	**Core i3 model** 8GB	24VDC/ 100-240VAC *option 0 slot	–	–	–	PS-5711W -**	PS-5811W -** PS-5821W -**	–
	Atom model 4GB		–	PS-5501W -**	–	PS-5701W -**	Enclosed model	–
Box Type Horizontal and Vertically standing	**Core i7 model**	24VDC/ 100-240VAC *option 0/2 slots	PS-5000B-**	–	–	–	–	–
	Celeron model		PS-5000B-**	–	–	–	–	–

▶ Top　▶ Lineup　▶ Specification　▶ Interface(3D)　▶ Configurator

General Specifications

> Next
(Functional Specifications)

	PS5711W	PS5811W
Bezel	Aluminum	
International Safety Standards		
Rated Input Voltage	DC Power Model: 24 Vdc ±20 % * Optional AC Power adapter : 100 to 240 Vac	
Power Consumption	18 W (Max 60W)	28 W (Max 60W)
In-Rush Current	Typ. 7 A	
Surrounding Air Temperature	When using SSD/CFast running : 0 to 55 °C [32 to 131 °F] When using HDD running : 0 to 45 °C [32 to 113 °F]	
Storage Temperature	-20 to 60 °C [-4 to 140 °F]	
Ambient Humidity	10 to 95 % RH (Wet bulb temperature: 40 °C [104 °F] max. - no condensation)	
Storage Humidity	10 to 95 % RH (Wet bulb temperature: 40 °C [104 °F] max. - no condensation)	
Pollution Degree	For use in Pollution Degree 2 environment	
Air Pressure (altitude range)	2,000 m [6,560 ft] max.	
Vibration Resistance	Operation for products with SSD or CF card storage device: 5 to 500 Hz: 2Grms Operation for products with HDD storage device: 5 to 500 Hz: 1Grms	
Concussion Resistance	IEC 60068-2-27 Ea test	
Electromagnetic Compatibility (EMC)	Immunity to High Frequency Interference Electromagnetic Emissions Class A	
Structure	IP66	
Cooling Method	Passive heat sink for the operation	
Weight Approx.	6.0 kg [13.22 lb]	7.0 kg [15.44 lb]
External Dimensions	W419.7 x H269.0 x D56.7 mm [W16.52 x H10.59 x D2.23 in.]	W488.0 x H309.6 x D56.7 mm [W19.21 x H12.17 x D2.23 in.]
Panel Cut Dimensions	W412.4 x H261.7 mm [W16.24 x H10.30 in.]	W479.3 x H300.3 mm [W18.87 x H11.82 in.]

Functional Specifications

> Previous
(General Specifications)

		PS5711W	PS5811W
Display Size		15.6"	18.5”
Display Colors		16.7 million	
Backlight		LED Life span > 50,000 h @ 25 °C [77 °F]	
Brightness Control		Step less adjustment	
Supported OS		HDD or SSD: Windows7 Ultimate (64bit) or Windows Embedded 8.1 Industry (64bit) CFast: Windows Embedded Standard 7 Premium (64bit)	
CPU		Core i3-4010U 1.7GHz	
Main Memory		DDR3 8 GB	
Chipset		Intel QM87	
Graphics Accelerator		Inte HD Graphics 4400	
Video Memory		Up to 1.7 GB	
Graphics		FWXGA TFT (1,366 x 768 pixels)	
Touch Panel Type		Projected capacitive	
Touch Panel Resolution		4,096 x 4,096	
interface	Serial ATA	HDD or SSD x1 CFast: x1	
	Serial (COM1)	RS-232C (D-Sub 9-pin, plug)	
	Serial (COM2)	RS-232C/422/485 (D-Sub 9-pin, plug)	
	Ethernet (LAN1)	10/100/1000 Mbit/s (RJ-45 Modular jack)	
	Ethernet (LAN2)	10/100/1000 Mbit/s (RJ-45 Modular jack)	
	USB (TYPE-A)	USB 3.0 x2 (bottom side)	
	Video	HDMI x1	
	Audio	Line out x1	
	Expansion slot	Optional Interface x1 (mPCIe)	

Pro-face

for the best interface

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