

Pro-face

by Schneider Electric

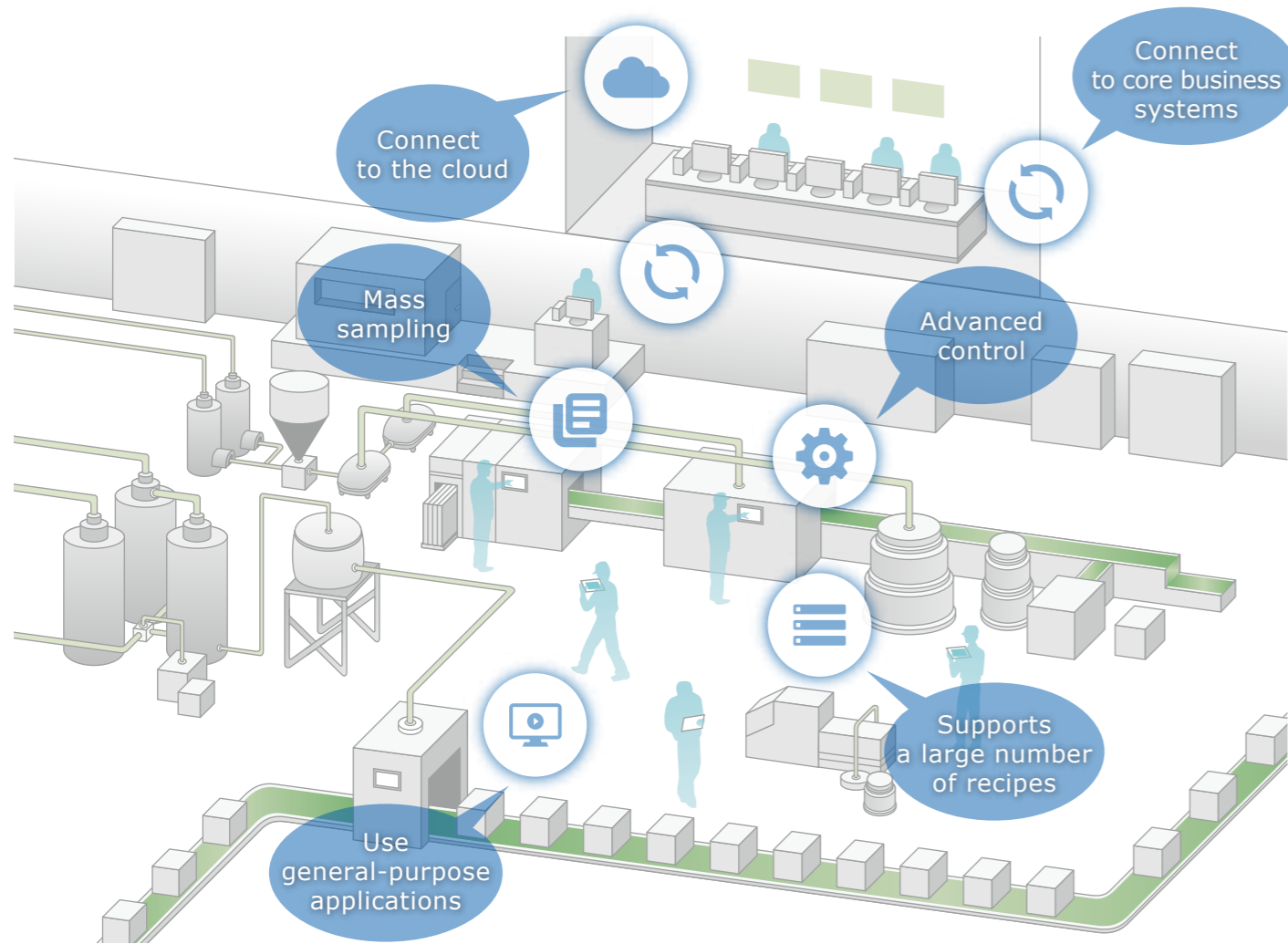
Industrial PC Flat Panel Monitor



Concept

Achieving Powerful Manufacturing

Pro-face's industrial computers do more than just achieve powerful computer-aided manufacturing for our information-intensive society; they also offer reliability and stable performance under tough conditions and the data protection needed at production sites. Our diverse lineup is available built-to-order, so you can select exactly the products that best suit your needs.



A wide variety of software supports diverse solutions

Pro-face provides HMI development software equipped with various functions that offer easy connectivity with peripheral devices, as well as software that enables data collection and remote monitoring among its broad lineup. Linking with tablets and other smart devices can also be done with ease.



Hardware design catering to easy troubleshooting and maintenance

The modular configuration allows for fast recovery in the event of display failures, because you can simply remove and replace the display. The cartridge-type hard disk drive also enables smooth replacement in case disk problems.



HDD-free design offers excellent vibration and shock resistance

Pro-face provides optional storage systems that feature excellent vibration- and shock-resistant properties. Power consumption can be reduced by the use of storage media that don't require spin-up time like HDDs. Quiet operation means they can be installed anywhere.



Lineup

All products built to your order. We provide a large selection so you can create your perfect model.

Panel Type

Series	CPU	Memory	Supported OS	Storage	Expansion Slot	Capacitive Sensing Method				Resistive Membrane System		
						22" Wide	19" Wide	15" Wide	10" Wide	15"	12"	
PS5000 Series	Modular Type	Core i7-4650U 1.7 GHz	8GB or 16GB	Windows 7 WES7 Windows 8.1	HDD (500GB, 1TB) SSD (80GB, 160GB, 240GB) CFast Card (16GB) *WES7 Only	0 or 2 slots	✓	✓	✓		✓	
		Celeron 2980U 1.6 GHz	4GB or 8GB				✓	✓	✓		✓	
	Slim Type	Core i3 - 4010U 1.7 GHz	8GB				✓*	✓				
		Atom E3827, 1.75 GHz	4GB					✓	✓			
PS4000 Series	Core i3-3217UE 1.60 GHz	1 to 16GB	Windows 7 WES2009 WES7	HDD (500GB) SSD (60GB, 128GB) CFast Card (4GB, 8GB, 16GB) *WES2009, WES7 Only	0 or 1 or 2 slots						✓	
	Celeron 827E 1.40 GHz											✓

*1 Also applies to Enclosed Model

BOX Type

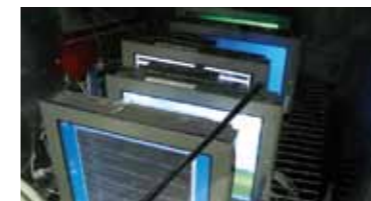
Series	CPU	Memory	Supported OS	Storage	Expansion Slot
PS5000 Series	Core i7-4650U 1.7 GHz	8GB or 16GB	Windows 7 WES7 Windows 8.1	HDD (500GB, 1TB) SSD (80GB, 160GB, 240GB) CFast Card (16GB) *WES7 Only	0 or 2 Slots
	Celeron 2980U 1.6 GHz	4GB or 8GB			
PE4000B Series	Atom N2600 Model	4GB	WES7 WES2009	SSD (80GB) CFast (16GB)	0 Slots
	Atom N270 Model	2GB	WES2009	CF (8GB)	

Flat Panel Monitors

Series	Resolution	Video Interface	Capacitive Sensing Method				Resistive Membrane System	
			22" Wide	19" Wide	15" Wide	10" Wide	15"	12"
FP5000 Series	XGA	DVI-D					✓	✓

Solid quality with carefully-selected, reliable parts

At Pro-face, we carefully select, evaluate, and test every component. Key components with limited lifetime, such as power supplies and capacitors, are our top priority for quality. We only use data storage that has passed stringent tests, including high-temperature operation.



We commit to long-term OS support

Thanks to the Microsoft® OEM Customer License Agreement for Embedded Systems, we are able to stably support the OS for a long period of time. You can rest assured that the OS and systems enable long-term use.



Reliable world-wide support

Technical support is available around the world for installation and repairs in case of machine trouble. Pro-face is certified with and meets safety standards worldwide, including Europe, North America and Asia, so you can export your products with confidence.





Powerful Solution

Full lineup that fits any situation as a key device promoting the Internet of Things(IoT) in industry. Choose the product you like from the modular type that allows for your favorite combination with a display in 15-inch to ultra-large 22-inch size to the ultra-thin panel type as well as the box type.

Modular Type	Slim Type	Box Type
 <p>Core i7 Model Celeron Model</p> <p>22" W 19" W 15" 15" W</p>	 <p>Core i3 Model Atom Model</p> <p>19" W 15" W 10" W</p>	 <p>Core i7 Model Celeron Model</p>
<p>Combine the Box type and the Display in a range of sizes from 15 to the ultra-large 22 inches. Flexibly change the functions and sizes.</p>	<p>Panel-integrated type-drastically slimmer profile with less wasted space and high performance retained featuring optimized design for equipment that requires space-saving.</p>	<p>Stationary box type suitable for an environment and equipment that don't need operation and display. Using Pro-face Remote HMI makes monitoring possible only when needed.</p>

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.

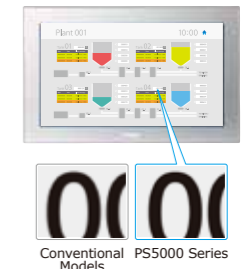
Performance

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.

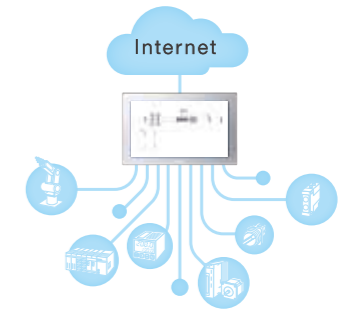
Connectivity

A variety of options to fit the required interface



Choose from a variety of interface options such as Gigabit Ethernet, DIO, and serial for even more functions.

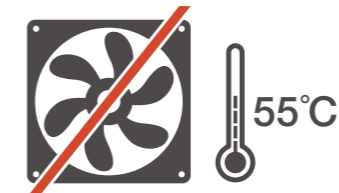
Wide variety of drivers for program-less connections to control equipment



An extensive array of drivers is available for freely connecting to any manufacturer's control equipment.

Reliability

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.

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.

Pro-face Industrial PC and Industrial Flat Panel Monitor

Industrial PC

■ PS4000 Series

The PS4000 Series offers extensive connectivity, high performance, energy efficient processor options, and quick and easy storage expansion.

Type	12"
CPU	Core i3 or Celeron
RAM	1 to 16GB
Supported OS	Windows 7, WES2009 or WES7
Storage	CFast, HDD or SSD



■ PE4000B Series

The highly compact PE4000B is the entry level product to Pro-face Industrial PC quality and performance.

Type	Built-in
CPU	Atom N2600, N270
RAM	2GB or 4GB
Supported OS	WES2009, WES7



Industrial Flat Panel Monitor

■ FP5000 Series

Supporting the trend for more efficient operation, an analog resistive multi touch panel and automatic brightness adjustment has been added to the FP5000 Series thus supporting convenient operation in industrial environments.

Type	15" or 12"
Supported OS	Windows 7, Windows 8, WES2009 or WES7
Video Input	DVI-D



Pro-face Application

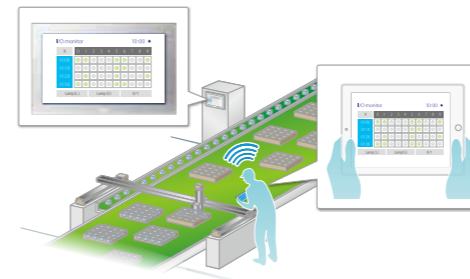
HMI Screen Data Operable on a Windows PC



The system configuration which used to be built with PC, HMI and PLC can be built only with IPC and PLC. Communication drivers are included as standard so there is no need to develop drivers for communication with PLCs, temperature controllers, and other control devices.



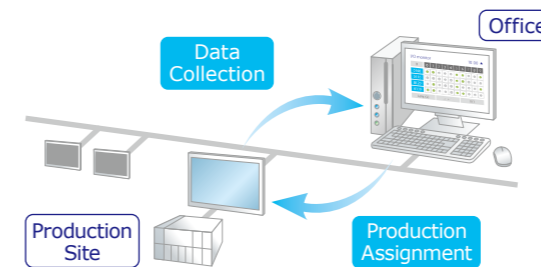
Remote Monitoring Software for Mobile



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.



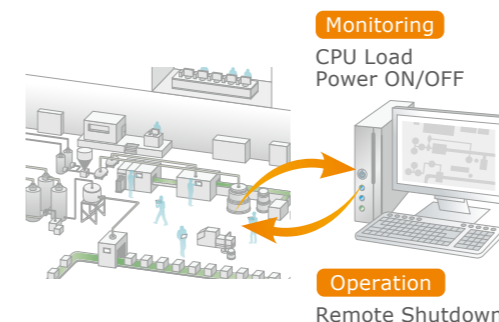
Data Management



Pro-server EX can expand your machine's performance. It provides data connectivity and reporting functionality. Just install Pro-Server EX then use your existing equipment.



Remote System Status Monitoring and Control



Use our system monitoring solution to monitor hardware status, CPU load percentage, and other information remotely from your computer. Power shutdown is also possible by remote control using KVM functions. Maintenance efficiency is greatly improved by reducing the need to go on-site.



Your choice of platform

Mobile



Allows you to monitor & control Pro-face HMI screen on a smart smart phone or a tablet seeing machine information wherever you go.

Pro-face Remote HMI



IPC Industrial Windows Personal Computer

Offer a wide selection with technology to meet your exact needs, Available in Box & Panel types with sustainability, durability and expandability.



Smart Portal

Offer both HMI reliability and IPC versatility. Integrate your shop floor network with your enterprise network while ensuring Sufficient security.

HMI Human Machine Interfaces

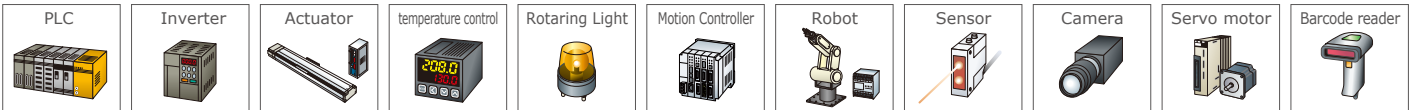
Offer extensive connectivity, clean, clear displays, and wide variety of product lines - standard, compact, modular, and handheld HMIs.

HMI+Control

Offer lower overall system costs and less panel space. Combines built-in PLC functionality with an operator interface, which is all-in-one software.



Direct connection via our products to various devices enabled with our all-in-one software



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⚠ WARNING

HAZARD OF OPERATOR INJURY, OR UNINTENDED EQUIPMENT DAMAGE

Before operating any of these products, be sure to read all related manuals thoroughly.

Failure to follow these instructions can result in death, serious injury, or equipment damage.

- For printing purposes, the colors in this catalog may differ from those of the actual unit.
- All product names used in this catalog are the registered trademarks or trademarks of their respective companies.
- Actual user screens may differ from the screens shown here.
- All information contained in this catalog is subject to change without notice.
- Electrical equipment should be installed, operated, serviced, and maintained only by qualified personnel. No responsibility is assumed by Digital for any consequences arising out of the use of this material.

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