

Pro-face

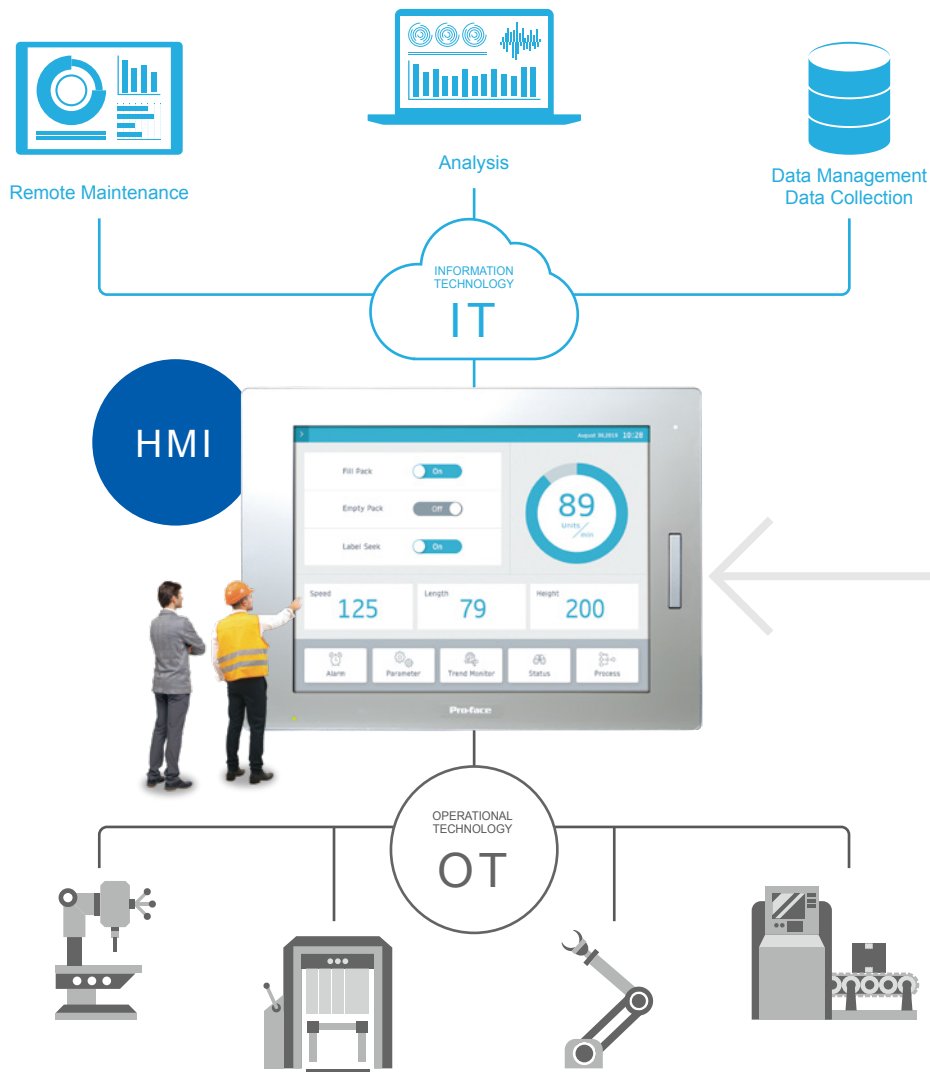
by Schneider Electric

Product Guide 2020



About HMI Centric
concept movie

Pro-face Brand Concept



HMI Centric

HMI is a window to people and machines that lets everyone from operators to managers access the information they need in the format they desire from any device or network.

HMI Centric Solutions make the best of the human workforce with the digital technology.



How to empower workforce with HMI Centric concept?

An HMI Centric concept is actually a kind of industrial IoT solution, in which we make the best of the human workforce and we take the best leverage of the new digital technology.

High Flexibility

Open Connectivity meets flexibly various needs



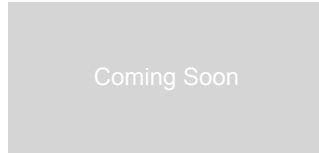
OT / IT Connectivity

Connect directly to a wide range of devices and networks with various vendors.



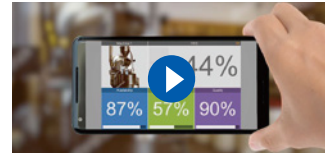
Offer Scalable and Customizable

A wide range of product lineup including modern technologies to meet the specific needs of various customers.



Collaborative System

Ready-to-use embedded HMI service to access machines remotely and securely.



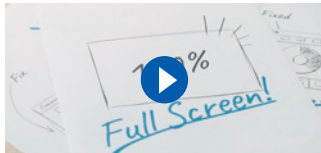
Simple Visibility

Empowered human workforce



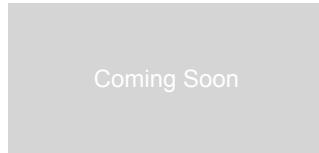
Intuitive Layout Design

Everyone easily operate and access precise information in a fast HMI design.



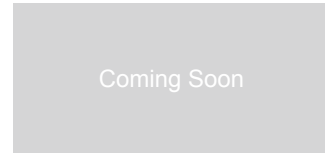
Increasing Information Value

Rich and expressive interfaces and intuitive operation in a large amount of data to utilize easily.



Modern Visualization

Supported by high-resolution graphics and tablet style displays with smooth response which Millennials favor.



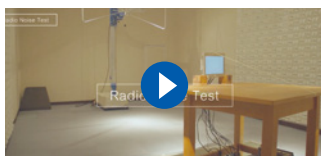
Strong Reliability

Peace of mind on your site



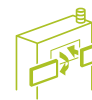
Robust and cyber secure Solutions

Based on quality best practice since the world's first HMI (GP Series) was first developed in 1989.



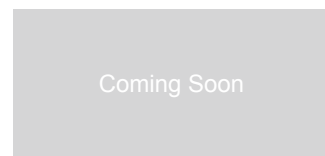
Global Availability / Support / Training

HMI Specialist service & support delivering certainty around the world.



Effortless migration to innovations

Special care to migrate our instrument to our new concept and to our new innovations.



Pro-face Product Overview

	Simple	Complex	Line management	Outdoor
Data				
++++			Industrial PC PS5000	
+++		High-performance HMI SP5000	10 Industrial PC 11 Flat Panel Display 12 Data Collection	Outdoor HMI 13 SP5000X
++	NEW Basic HMI ST6000	Standard HMI GP4000		
+	Compact HMI 14 GP4100			

ST6000 Series

- 1 Basic HMI (ST6000) **BLUE** **UP GRADE**
- 2 Basic Web HMI (STW6000)

GP4000 Series **GP-Pro EX** **UP GRADE**

- 3 Standard HMI (GP4000)
- 4 Modular HMI (GP4000M)
- 5 HMI + Control (LT4000M)
- 6 Data Collection (GP4000M/LT4000M)

SP5000 Series **GP-Pro EX** **UP GRADE**

- 7 Advanced HMI (SP5000)
- 8 HMI + Control (SP5000+option)
- 9 Data Collection (SP5000+option)

PS5000 Series







- 10 Industrial PC (PS5000+option) **BLUE** Line Management Life SCADA **Open Studio** **UP GRADE**
- 11 Data Collection
- 12 Flat Panel Display (PS5000/FP5000+option)

SP5000X Series **GP-Pro EX** **UP GRADE**

- 13 Outdoor HMI (SP5000X)

GP4100 Series **GP-Pro EX** **UP GRADE**

- 14 Compact HMI (GP4100)

Specification		Simple			Complex	Line management	Outdoor
		 GP4100	 ST6000	 GP4000	 SP5000	 PS5000	 SP5000X
Software		GP-Pro EX	BLUE	GP-Pro EX	GP-Pro EX	BLUE Open Studio	GP-Pro EX
Visualization	Size	4"w	4"w, 7"w, 10"w, 12"w, 15"w	3.5", 5.7", 7.5", 10.4", 12.1" 7"w	10.4", 12.1", 15.0" 7"w, 10"w, 12"w, 15"w, 19"w	12.1", 15" 10"w, 12"w, 15"w, 19"w, 22"w	7"w, 12"w, 15"w
	Display quality (Resolution, color)	++	++	+	++	+++	+++++ (Sunlight readable)
	Performance	Standard	Standard	Standard	High	High	High
Operation	Touch operation	+	+	+	++	+++	+
Connectivity	IT (Ethernet)	0 or 1	2	1	2	2	2
	OT (Serial, USB, Fieldbus)	+	++	++	+++	+++	+++
	I/O	No	No	No	Yes (Option)	Yes (Option)	Yes (Option)
	Data backup operation	+	+	++	++	+++	++
Data handling	Storage	0	SD (Build-in)	0 or SD x 1	SD x 1 or SD x 2	HDD/SSD x 1	SD x 2
Environment	Environment resistance	+	+	+	++	+	+++
	Certification (Haz Loc, ATEX, Marine)	+++	+	+++	+++	++	++
Features	Integrate Windows Apps	No	No	No	Yes (Only SP-5B41)	Yes	No
	Remote Monitoring	Yes (Only GP-4114)	No	Yes	Yes	Yes	Yes
	Remote connection service	No	Yes	Yes	Yes	Yes	Yes
	IT connection (OPC, MQTT, Email, etc)	+	+++	++	++	++++	++
		(Only GP-4114T)					



website



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datasheet



CAD



software

Advanced HMI

SP5000 Series



Flagship model achieving high performance and robust network security

The SP5000 series is an HMI that provides information quickly and efficiently, and promotes "smartification" of your factories.

Flagship

01 Manage more information in various forms

Fully compatible for direct use with Windows applications, the SP5000 can handle materials, such as manuals and error codes, without conversion.



No need to bring PC for debugging and JOB reprogramming.

MS Excel

PDFs

Movies

Ladder programming tools

Able to use ladder programming tools...



02 Simple activation by inserting cards

Display data is scalable to fit multiple sizes of monitors, which can be applied to new equipment for mass production. There is no need for on-site data transfer because SP5000 models are activated when the SD card is inserted.

Auto-scaling

15"

12"

10"

SP5000 works simply by replacing the card.

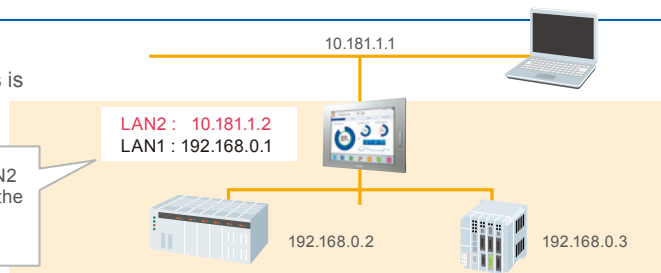
This is a time-efficient way to carry out on-site troubleshooting.



03 Network segmentation

All displays of SP5000 series have two Ethernet I/F ports as standard. The IP address is changed on the SP5000 at delivery.

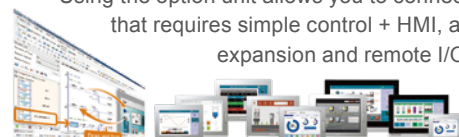
Only the IP LAN2 address within the office network is changed.



And more...

Cost Reduction and Equipment Improvement with I/O expansion

Using the option unit allows you to connect equipment that requires simple control + HMI, additional I/O expansion and remote I/O expansion.



Premium Display

[Multi-touch] [Auto-scaling] [Brightness sensor] [Front USB (Type A & mini B)]



SP-5800WC
19" wide



SP-5700WC
15" wide



SP-5700TP
15"



SP-5660TP
12"



SP-5600TP
12"



SP-5500TP
10"

Wireless LAN
Connectable only to open box module

	SP-5800WC	SP-5700WC	SP-5700TP	SP-5660TP	SP-5600TP	SP-5500TP
Model	PFXSP5800WCD	PFXSP5700WCD	PFXSP5700TPD	PFXSP5660TPD	PFXSP5600TPD	PFXSP5500TPD
Display Size	19" wide	15" wide	15"	12"	12"	10"
Rated Input Voltage	12...24 Vdc					
Resolution	1,366 x 768 pixels (FWXGA)		1,024 x 768 pixels (XGA)		800 x 600 pixels (SVGA)	
Touch Panel Type	Projected Capacitive (5 points multi-touch)		Resistive Film (analog, 2 points multi-touch)			
Interface	USB (Type A) x 1 USB (mini B) x 1					
Structure	IP65F, IP67F					
External Dimensions*	W483 x H337 x D69mm (W19.02 x H13.27 x D2.72 in.)	W414 x H295 x D69mm (W16.30 x H11.61 x D2.72 in.)	W397 x H296 x D67mm (W15.6 x H11.7 x D2.64 in.)	W315 x H241 x D67mm (W12.4 x H9.49 x D2.64 in.)		W272.5 x H214.5 x D67mm (W10.73 x H8.44 x D2.64 in.)
Panel Cut Dimensions	W465 x H319mm (W18.31 x H12.56 in.)	W396 x H277mm (W15.59 x H10.91 in.)	W383.5 x H282.5mm (W15.1 x H11.12 in.)	W301.5 x H227.5mm (W11.87 x H8.96 in.)		W259 x H201mm (W10.2 x H7.91 in.)
Others	Brightness Sensor, Auto Scaling					
Custom (Coating)	-			Yes		
Custom (Front Color Bezel)	-			Yes		

* The depth is combined with Box Module

Advanced Display



SP-5600TA
12.1"



SP-5600WA
12" wide



SP-5500WA
10" wide



SP-5400WA
7" wide

	SP-5600TA	SP-5600WA	SP-5500WA	SP-5400WA
Model	PFXSP5600TAD	PFXSP5600WAD	PFXSP5500WAD	PFXSP5400WAD
Display Size	12.1"	12" wide	10" wide	7" wide
Rated Input Voltage	12...24 Vdc			
Resolution	1,024 x 768 pixels (XGA)	1,280 x 800 pixels (WXGA)	800 x 480 pixels (WVGA)	
Touch Panel Type	Resistive Film (analog)			
Interface	-			
Structure	IP66F, IP67F, TYPE 4X (Indoor Use Only) / 13			
External Dimensions*	W315 x H241 x D67 mm (W12.4 x H9.49 x D2.64 in.)	W308.5 x H230.5 x D67mm (W12.15 x H9.07 x D2.64 in.)	W268.5 x H198.5 x D67mm (W10.57 x H7.81 x D2.64 in.)	W203.6 x H148.6 x D67mm (W8.02 x H5.85 x D1.42 in.)
Panel Cut Dimensions	W301.5 x H227.5mm (W11.87 x H8.96 in.)	W295 x H217mm (W11.61 x H8.54 in.)	W255 x H185mm (W10.04 x H7.28 in.)	W190 x H135mm (W7.48 x H5.31 in.)
Others	-			
Custom (Coating)	Yes			
Custom (Front Color Bezel)	Yes			

* The depth is combined with Box Module



The modular design of the SP5000 allows various combinations of components.
Easy to maintain and replace

3 types of Box Modules

Enable to utilize Windows Applications together with HMI (equipped with HMI Runtime standard)



Open Box
SP-5B41



SP5000 is a Microsoft Azure certified device.

Reliable Real-time OS
High performance & expandable HMI



Power Box
SP-5B10

Expansion units available

CANopen Master Unit FLEX
NETWORK Master Unit PROFIBUS
DP Slave/MPI Unit



Reliable Real-time OS
New High performance HMI



Standard Box
SP-5B00

	SP-5B41	SP-5B10	SP-5B00
Model	PFXSP5B41	PFXSP5B10	PFXSP5B00
Application Memory	Screen Size: 64 MB		
Backup Memory	NVRAM 320KB		
Interface	RS-232C / 422 / 485 x 2 Ethernet x 2 USB (Type A) x 3, USB (mini B) x 1 SD Card Slot (Storage) x 1 CFast Card Slot (System) x 1 CFast Card Slot (Storage) x 1 DVI-D output x 1 Sound Input: MIC or LINE input x 1 Speaker Output x 1 Alarm Output or Buzzer Output x 1	RS-232C / 422 / 485 x 2 Ethernet x 2 USB (Type A) x 2, USB (mini B) x 1 SD Card Slot (System) x 1 SD Card Slot (Storage) x 1 Speaker Output x 1 Alarm Output or Buzzer Output x 1	RS-232Cx 1 RS-422 / 485 x 1 Ethernet x 2 USB (Type A) x 2, USB (mini B) x 1 SD Card Slot (Storage) x 1
Windows Application	Yes	-	-
Expansion Unit	-	Yes	-
Connectable Devices	4		
Custom (Coating)	Yes		



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manual



datasheet



CAD



software

Outdoor HMI

SP5000X Series

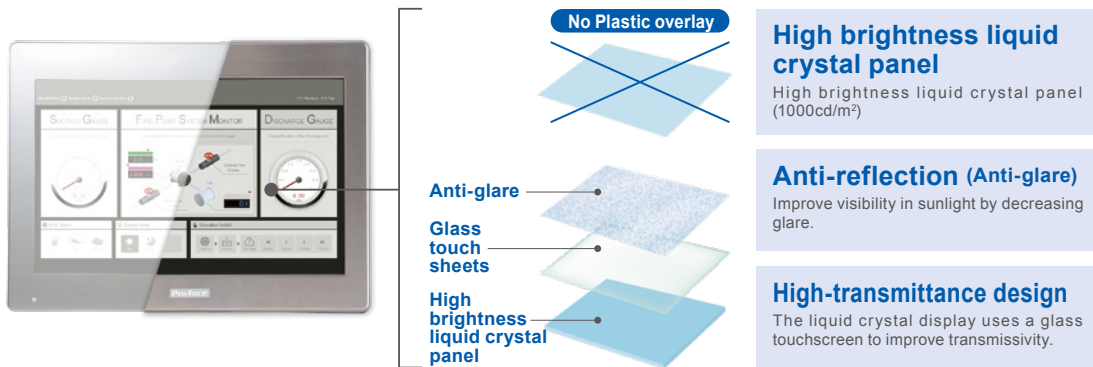


An outdoor HMI that is visible under sunlight, and resists extreme environment

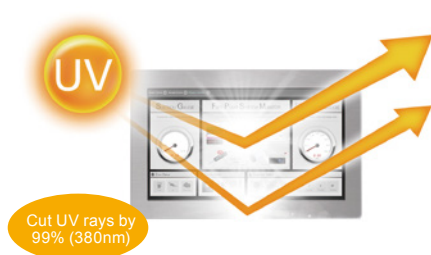
We have created a sunlight readable screen that is resistant to direct sunlight and extreme temperatures. With an enhanced information display unit and improved operability, this product is suitable for multiple applications under harsh environmental conditions including use in special purpose vehicles such as firetrucks and construction equipment; parking lots and gas stations; and the oil and gas industry.

Extreme

01 Sunlight Readable



02 Robustness



UV Protection

Improve UV protection and prevent deterioration by replacing plastic components that are exposed to sunlight with metal or glass.



Full Coating

Improve the longevity of the product even when used in outdoor environments with dust and extreme temperatures by adding coating on the substrate, LCD, and power source components.

03 Environmental Resistance



Sufficient against Vibration/Shock

We do apply IEC60068-2-6 or IEC60068-2-27 in stead of IEC61131-2 test which is typically used for factory automation devices. Because they are more suitable for earth moving machines, or generators or compressors which use engines to operate machines.

* Display Module : 7" w and 12" w: 2G / 40G, 15" w: 1G / 15G
Box Module : follow the connected Display Module.



Operating temperature: -30°C to 70°C

Can be used in harsher environments without the need for anti-frost heaters or fans and cooling systems.

* Display Module : 7" w: -30 to 65°C, 12" w: -30 to 70°C, 15" w: -20 to 60°C
Box Module : follow the connected Display Module.



Dust and waterproof

Compatible with IP66F, IP67F, Type 4X (indoor and outdoor use) allowing for use in harsh outdoor conditions.

04 Maintainability

Battery-less



Application



Modular structure that is easy to maintain

It is possible to replace the exposed display without changing the whole unit. The box is designed with the application pre-installed and can be used immediately upon changing components. Changes can be made quickly and easily without the need of a PC, optimizing time and resources.

05 IoT Solution



Data collection and remote maintenance

Collect data remotely from a PC such as error history and operation status, outcome, and history. It is also possible to access the HMI, verify the operation status, and conduct maintenance remotely via PC or tablet.

Display Module



SP-5790WA
15" wide



SP-5690WA
12" wide



SP-5490WA
7" wide

	SP-5790WA	SP-5690WA	SP-5490WA
Model	PFXSP5790WA / PFXSP5790WADF0H	PFXSP5690WA / PFXSP5690WADF0H	PFXSP5490WA / PFXSP5490WADF0H
Display type	TFT Color LCD (High brightness)		
Display size	15.6" wide	12.1" wide	7" wide
Resolution	1,366 x 768 pixels (FWXGA)	1,280 x 800 pixels (WXGA)	800 x 480 pixels (WVGA)
Display colors	262,144 colors		
Backlight	White LED (Not user replaceable. When replacement is required, contact customer support.)		
Touchpanel lifetime	1,000,000 times or more		
Rated input voltage	12...24 Vdc		
Power consumption	Max. 48 W	Max. 37 W	Max. 29 W
Ambient air temperature	-20 to 60 °C (-4 to 140 °F)	-30 to 70 °C (-22 to 158 °F)	-30 to 65 °C (-22 to 149 °F)
Dust	0.1 mg/m ³ (10 ⁻⁷ oz/ft ³) or less (non-conductive levels)		
Pollution degree	3 for front face, 2 for other sides		
Corrosive gases	Free of corrosive gases Harsh environment model (Model numbers ending with "F0H") : IEC/EN 60721-3-3 Class 3C3		
Atmospheric pressure (operating altitude)	800 to 1,114 hPa (2,000 m [6,561 ft] or lower)		
UV resistance (front side)	Cutoff: 99% or more (380 nm)		
Vibration resistance	IEC 60068-2-6 compliant 5 to 9 Hz Single amplitude 3.5 mm (0.14 in) 9 to 150 Hz Fixed acceleration: 9.8 m/s ² X, Y, Z directions for 10 cycles (approximately 100 minutes) IEC 61373: 1999 (Category 1, Class B) 5sfs150 Hz (weight < 500 kg: f1=5 Hz, f2=150 Hz) acceleration: Up and down: 7.90 m/s ² , Right and left: 3.50 m/s ² , Back and forward: 5.50 m/s ²	IEC 60068-2-6 compliant 5 to 9 Hz Single amplitude 7 mm (0.28 in) 9 to 150 Hz Fixed acceleration: 19.6 m/s ² X, Y, Z directions for 10 cycles (approximately 100 minutes) IEC 61373: 1999 (Category 1, Class B) 5sfs150 Hz (weight < 500 kg: f1=5 Hz, f2=150 Hz) acceleration: Up and down: 7.90 m/s ² , Right and left: 3.50 m/s ² , Back and forward: 5.50 m/s ²	
Shock resistance	IEC 60068-2-27 compliant 147 m/s ² , 11 ms, X, Y, Z directions for 3 times	IEC 60068-2-27 compliant 392 m/s ² , 11 ms, X, Y, Z directions for 3 times	
Electronic fast / transient / burst immunity	IEC 61000-4-4 / 2 kV: Power port / 1 kV: Signal ports		
Electrostatic discharge immunity	Contact discharge method: 6 kV Air discharge method: 8 kV (IEC/EN 61000-4-2 Level 3)		
Structure	IP66F, IP67F, Type 4X (indoor and outdoor use), Type 12, Type13		
External dimensions	408 x 264 x 68 mm (16.06 x 10.39 x 2.68 in)	308.5 x 230.5 x 68 mm (12.15 x 9.07 x 2.68 in)	203.6 x 148.6 x 37 mm (8.02 x 5.85 x 1.45 in)
Front bezel materials	Aluminum die-cast / Stainless steel		



The Modular Design of the SP500X

Box Module



SP-5B90

	SP-5B90
Model	PFXSP5B90 / PFXSP5B90F0H
Application Memory	Screen Size: 64 MB
Backup Memory	NVRAM 320KB
Interface	RS-232C / 422 / 485 x 2, Ethernet x 2, USB (Type A) x 2, USB (mini B) x 1, SD Card Slot (System) x 1, SD Card Slot (Storage) x 1, Speaker Output x 1, Alarm Output or Buzzer Output x 1
Expansion unit	Fieldbus Unit x 1 (PROFIBUS / J1939 / CANopen / FLEX NETWORK)
Connectable Devices	4



website



video



manual



datasheet



CAD



software

Basic HMI

ST6000 Series

Achieve a high level of visualization with the new basic HMI

The ST6000 series brings a new level of visualization to the Basic HMI market which no other basic product has accomplished.



New Visualization

01 Refined

An innovative HMI with a sophisticated design that transforms simple machines.



16 Million Colors

Achieve the previously unimaginable and bring displays to life with 16 million colors.

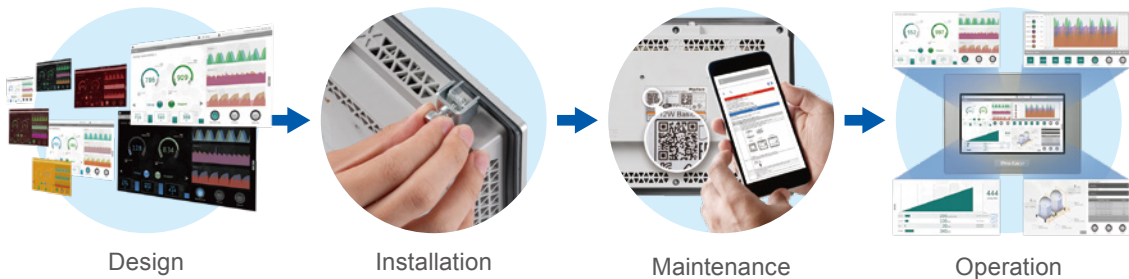


Better Graphics and Font

Display beautiful fonts with anti-aliasing. Customize gradation and transparency to meet your needs.

02 Simple & Easy

The simple design and interface help increase productivity and efficiency.



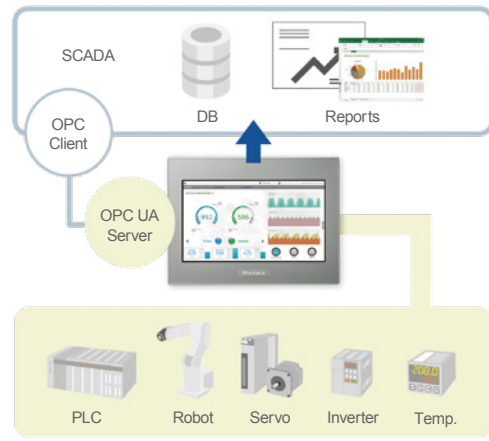
Reduce time required to create screens with new design methods

Powered by



03 Connected & Secured

Seamless and secured connectivity with various devices to enhance their flexibility and increase value.



	ST-6700WA	ST-6600WA	ST-6500WA	ST-6400WA	ST-6200WA
Model No	PFXST6700WAD	PFXST6600WAD	PFXST6500WAD	PFXST6400WAD	PFXST6200WAD
Display	15.6" Wide (1,366 x 768)	12.1" Wide (1,280 x 800)	10.1" Wide (1,024 x 600)	7.0" Wide (800 x 480)	4.3" Wide (480 x 272)
	16M colors White LED 16 level brightness control				
Touch Panel	Type : Resistive film (analog), Service life : 1,000,000 times or more				
Related	RS-232C x 1 RS-422 / 485 x 1 Ethernet x 2 USB(Type A) x 1 USB(micro-B) x 1			RS-232C / 422 / 485 x 1 Ethernet x 1 USB(Type A) x 1 USB(micro-B) x 1	
Input voltage	24 Vdc				
Structure	IP65F				

Basic Web HMI

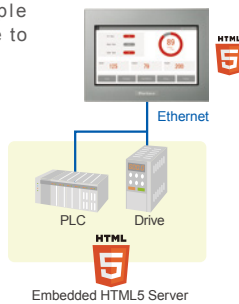
STW6000 Series

Many industrial automation devices support HTML5, which can be displayed on PCs, tablets, and smartphones. As a Web HMI, STW6000 can easily display HTML5 data from multiple devices. We are the HMI specialist, and the superior quality display, maintainability and robustness of our Web HMI meets the needs of simple machine applications for factory automation.



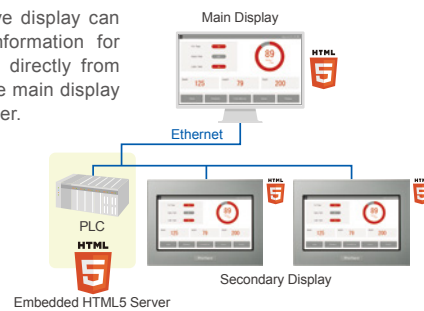
Main Display

Main display for simple machine is alternative to basic terminal.



Secondary Display

Secondary cost effective display can also visualize small information for maintenance-diagnostic directly from PLC Servers or from the main display if it embeds its own server.



	STW-6700WA	STW-6600WA	STW-6500WA	STW-6400WA	STW-6200WA
Model No	PFXSTW6700WAD	PFXSTW6600WAD	PFXSTW6500WAD	PFXSTW6400WAD	PFXSTW6200WAD
Display	15.6" Wide (1,366 x 768)	12.1" Wide (1,280 x 800)	10.1" Wide (1,024 x 600)	7.0" Wide (800 x 480)	4.3" Wide (480 x 272)
	16M colors White LED 16 level brightness control				
Touch Panel	Type:Resistive film (analog), Service life:1,000,000 times or more				
Related	Ethernet1 & Ethernet2 with switch function : IEEEE802.3i / IEEEE802.3u, 10BASE-T / 100BASE-TX USB : Type A x 1(HOST)			Ethernet : IEEEE802.3i / IEEEE802.3u, 10BASE-T / 100BASE-TX x 1 USB : Type A x 1(HOST)	
Input voltage	24 Vdc				
Structure	IP65				



website



video



manual



datasheet



CAD



website



manual



datasheet



CAD



software

Standard HMI

GP4000 Series



Standard

Varied and flexible lineup satisfying customers needs

Combines abundant functions with a broad line-up of versatile models to meet the specific needs of every customer.

01 Widest line-up in the Pro-face brand

From classic to unique, we offer a wide range of choices to meet any application.



02 Compatible with our legacy models



Data in GP-PRO/PBIII for Windows or later is convertible using project converter. Smooth transition to the latest models.



USB expansion options unique to Pro-face

Reduce excess inventory of indicator lights

EZ Tower Light Model : PFXZCETWHA1 (tube mounting with fixing plate)
Model : PFXZCETWW1 (base mounting)

With this single model, multiple colors and sounds can be set. Capable of indicating the state of equipment.



LED lamps adaptable to various types of setting

Configuration from HMI
4 colors (red, green, blue, and yellow)
and 3 modes (off, on, and blink)
Number of lamps: 3
Buzzer patterns: 4

Combining switch and lamp

EZ Illumination Switch Model : PFXZCCEUSG1

Improve visibility with 6-color illumination. Reduce man-hours for control panel installation and wiring



LED light switches accept a wide range of settings

Configuration by HMI design software
6 colors (red, green, blue, yellow, white, and orange)
and 3 modes (off, on, and blink)
Protection structure: IP65 (front face where panel is embedded)
Mount: 22φ circular mounting hole

Work-saving for inputting repeated values

EZ Numpad Model : PFXZCCEUKB1

Reduces screens needed for value input

- Alphanumeric and customizable function keys (Set by HMI design software)
- Protection: IP65
- Mount: 22φ circular mounting hole



Adding second LAN port with independent IP address

EZ LAN Adapter Model : PFXZCGEUEE1

The GP4000 series also allows you to securely set up a network.

- Same functions as built-in LAN port
- 10BASE-T / 100BASE-TX
- Limited to GP4000 standard models



Also can be used with Pro-face products other than GP4000 series.

Standard models



GP-4601T
12"



GP-4501T
10.4"




GP-4401T
7.5"



GP-4301T
5.7"



GP-4201T
3.5"

	GP-4601T	GP-4603T	GP-4501T	GP-4503T	GP-4401T	GP-4301T	GP-4303T	GP-4201T
Model	PFXGP4601T**	PFXGP4603TAD	PFXGP4501T**	PFXGP4503TAD	PFXGP4401TAD	PFXGP4301TAD	PFXGP4303TAD	PFXGP4201TAD
Display Size	12.1"		10.4"		7.5"	5.7"		3.5"
Rated Input Voltage	100...240 Vac / 24Vdc	24Vdc	100...240 Vac / 24Vdc	24Vdc	24Vdc			
Resolution	800 x 600pixels (SVGA)		640 x 480pixels (VGA)		320 x 240pixels (QVGA)			
Touch Panel Type	Resistive Film (analog)				Resistive Film (analog)			
Application Memory	32MB				16MB			
Data Backup	SRAM 320KB							
Interface	RS-232C x 1, RS-422/485 x 1, Ethernet x 1 USB (Type A) x 1, USB (mini B) x 1, SD Card Slot x 1							RS-232C/422/485 x 1, Ethernet x 1, USB (Type A) x 1, USB (mini B) x 1,
Structure	IP65F							
External Dimensions	W315 x H241 x D56mm (W12.4 x H9.49 x D2.2 in.)	W272.5 x H214.5 x D57mm (W10.73 x H8.44 x D2.24 in.)		W218 x H173 x D60mm (W8.59 x H6.81 x D2.37 in.)	W169.5 x H137 x D59.5mm (W6.67 x H5.39 x D2.34 in.)	W132 x H106 x D42mm (W5.2 x H4.17 x D1.65 in.)		
Panel Cut Dimensions	W301.5 x H227.5mm (W11.87 x H8.96 in.)	W259 x H201mm (W10.2 x H7.91 in.)		W204.5 x H159.5mm (W8.05 x H6.28 in.)	W156 x H123.5mm (W6.14 x H4.86 in.)	W118.5 x H92.5mm (W4.67 x H3.64 in.)		
Connectable Devices	4							
Custom (Coating)	Yes							
Custom (Front Color Bezel)	Yes							
Rear Mount model (GP4000R)	Model:PFXGP4601TADR	Model:PFXGP4501TADR		Model:PFXGP4401TADR	Model:PFXGP4301TADR			-
External Video Unit-supporting Model	Product Name:GP-4621T Model:PFXGP4621TAA Model:PFXGP4621TAD (coating:Yes)	Product Name:GP-4521T Model:PFXGP4521TAA Model:PFXGP4521TAD (coating:Yes)		Best choice for replacement! VM or RGB unit from GP3000 can be used without additional settings.				

** : [AA] Analog touchscreen & AC power supply; [MD] Matrix touchscreen & DC power supply; [AD] Analog touchscreen & DC power supply; [MA], Matrix touchscreen & DC power supply.
* : GP-4*03T:RS-485 (isolation)

W models



GP-4501TW
10.4"



GP-4401WW
7" wide



GP-4301TW
5.7"



GP-4201TW
3.5"

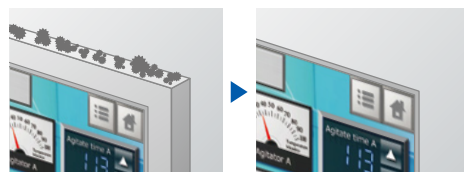
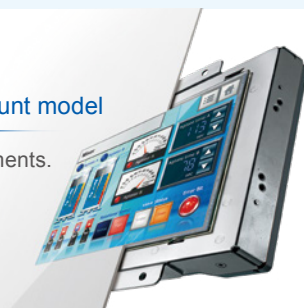
	GP-4501TW	GP-4401WW	GP-4301TW	GP-4201TW
Model	PFXGP4501TADW	PFXGP4401WADW	PFXGP4301TADW	PFXGP4201TADW
Display Size	10.4"	7" wide	5.7"	3.5"
Rated Input Voltage	24Vdc			
Resolution	640 x 480pixels (VGA)	800 x 480pixels (WVGA)	320 x 240pixels (QVGA)	
Touch Panel Type	Resistive Film (analog)			
Application Memory	16MB		8MB	
Data Backup	SRAM 128KB			
Interface	RS-232C x 1, RS-422/485 x 1, Ethernet x 1, USB (Type A) x 1, USB (mini B) x 1, SD Card Slot x 1,		RS-232C x 1, RS-422/485 x 1 Ethernet x 1*, USB (Type A) x 1, USB (mini B) x 1,	
Structure	IP65F			
External Dimensions	W315 x H241 x D56mm (W12.4 x H9.47 x D2.20 in.)	W218 x H173 x D60mm (W8.59 x H6.8 x D2.37 in.)	W169.5 x H137 x D59.5mm (W6.67 x H5.39 x D2.34 in.)	W132 x H106 x D42mm (W5.2 x H4.17 x D1.05 in.)
Panel Cut Dimensions	W301.5 x H227.5mm (W11.87 x H8.96 in.)	W204.5 x H159.5mm (W8.05 x H6.28 in.)	W156 x H123.5mm (W6.14 x H4.86 in.)	W118.5 x H92.5mm (W4.67 x H3.64 in.)
Connectable Devices	2			
Custom (Coating)	Yes			
Custom (Front Color Bezel)	Yes			

*:Excluding GP-4201W

GP4000R Rear mount model

Optimized for hygiene-oriented environments.

12.1" 10.4" 7.5" 5.7"



Flat design to protect from mounting surface from dust.
Ideal for medical or food production equipment.



website



GP4100 Compact model

High resolution and full color in a small size



4.3"

01 Small-sized HMI but no compromises visibility or operability

With a resolution of 480 x 272 pixels, information is finely displayed despite the limitations of space.

And more... **65,536** color display

Panel cut same as monochrome model



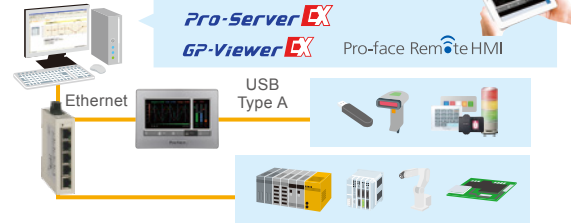
Monochrome model (GP-410**)



Panel cut adapter (Model:PFXZCFAD31)

02 Connectivity with a range of devices

This product allows you to collect data and monitor everything remotely using a tablet.



	GP-4114T	GP-4115T	GP-4115T3	GP-4116T
Model	PFXGP4114T2D	PFXGP4115T2D	PFXGP4115T3D	PFXGP4116T2D
Display Size	4.3"			
Rated Input Voltage	12...24 Vdc			
Resolution	480 x 272 pixels			
Touch Panel Type	Analog			
Application Memory	8MB			
Backup Memory	FLASH EPROM 128KB		NVRAM 320KB	FLASH EPROM 128KB
Interface	Ethernet x 1 USB(Type A) x 1,USB(mini B) x 1	RS-232C x 1 USB(Type A) x 1,USB(mini B) x 1		RS-422/485 x 1 USB(Type A) x 1 USB(mini B) x 1
Structure	IP65F			
External Dimensions	W124.9 x H90.4 x D38.8mm (W4.92 x H3.56 x D1.53 in.)			
Panel Cut Dimensions	W112.5 x H77.5mm(W4.43 x H3.05 in.) With Panel cut adapter:W105 x H66mm(W4.13 x H2.6 in.)			
Connectable Devices	2			



GP4000M Modular model

Easily mounted on a control panel and replaced for maintenance through a φ22 mm circular hole.



	GP-4301TM	GP-4201TM
Model	PFXGM4301TAD	PFXGM4201TAD
Display Size	5.7"	3.5"
Rated Input Voltage	24Vdc	
Resolution	320 x 240 pixels (QVGA)	
Touch Panel Type	Analog	
Application Memory	8MB	
Backup Memory	NVRAM 128KB *1	
Interface	RS-232C/422/485 x 1 Ethernet x 1 USB(Type A) x 1 USB(mini B) x 1	
Structure	IP65F	
External Dimensions	Display module: W163 x H129.4 x D17.5mm (W6.41 x H5.09 x D0.64 in.) Rear module: W118 x H98.1 x D40.1mm (W4.04 x H3.88 x D1.57 in.)	Display module: W97.6 x H80 x D16.2mm (W3.84 x H3.14 x D0.63 in.) Rear module: W118 x H98.1 x D40.1mm (W4.04 x H3.88 x D1.57 in.)
Panel Cut Dimensions	φ22.5mm	
Connectable Devices	2	

*1 GP4000M does not maintain clock data because backup battery is not installed. It is necessary to read the clock data externally connected.



GP4000H Handy model

The latest handy display with high compatibility with the GP3000H models and reduced weight.



GP-4311HT
5.7"

	GP-4311HT			
Model	PFXGP4311HTAD***	Interface RS-232C/422/485 x 1,Ethernet x 1 USB(Type A) x 1,USB(mini B) x 1 SD Card Slot x 1 Function Switch x 12 Switches:1a2b 3-Position Enable Switch Output:2a Key Switch Output:1c <When using the conversion adapter> Operation Output x 1 External Buzzer Output x 1	Hard-type Direct-connect Cable	10m GP3000H-CBLH-10M
Display Size	5.7"		3m GP3000H-CBLS-3M	
Rated Input Voltage	24Vdc		Soft-type Direct-connect Cable	5m GP3000H-CBLS-5M
Resolution	640x480 pixels (VGA)		10m GP3000H-CBLS-10M	
Touch Panel Type	Analog		Hard-type Direct-connect Cable (with connector)	10m GP3000H-CBLHD-10M
Application Memory	32MB		3m GP3000H-CBLS-3M	
Structure	IP65F		Soft-type Direct-connect Cable (with connector)	5m GP3000H-CBLS-5M
Connectable Devices	3		10m GP3000H-CBLS-10M	
			Conversion Adapter	AGP3000H-ADPCOM-01

LT4000M Series

Hybrid display with control function

Since the release of the world's first controller with display (CGP model) in 1996, our products have gained a reputation for enabling customers to save space as well as equipment costs.

5.7"

3.5"

Flexible



website



video



manual



datasheet



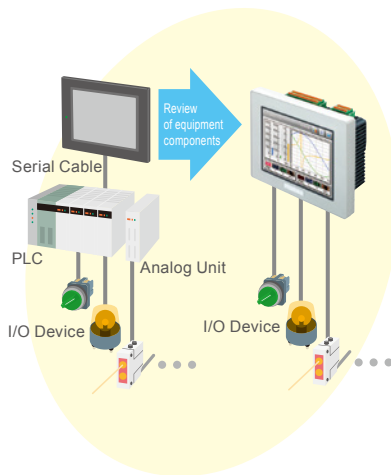
CAD



software

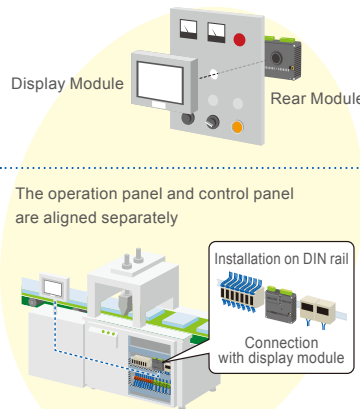
01 Simple design without PLC

Connectivity with a range of devices.



02 Easy to create control panels

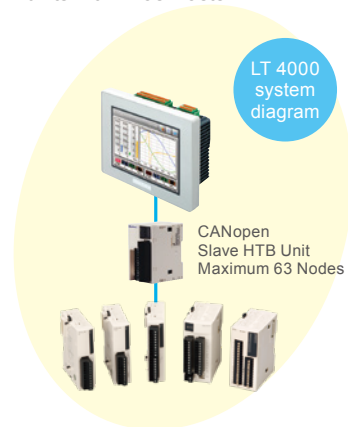
Easily retrofittable, requiring only 22φ circular mounting holes



Product Name	Length	Model
Display module	3m	PFXZXMADSM31
Rear module separation cable	5m	PFXZXMADSM51

03 Create systems with reduced wiring using remote I/O.

Compatible with European standard CANopen. Communicate with CANopen compatible slave units with LT as master



Model	LT-4301TM		LT-4201TM	
	PFXLM4301TADD*	PFXLM4301TADA*	PFXLM4201TADD*	PFXLM4201TADA*
Display Size	5.7"		3.5"	
Rated Input Voltage	24Vdc			
Control	DIO	AIO+DIO	DIO	AIO+DIO
Resolution	320 x 240pixels (QVGA)			
Touch Panel Type	Resistive Film (analog)			
Application Memory	16MB			
Backup Memory	NVS RAM 128KB			
Logic program area	FLASH EPROM 132KB			
Variable area	NVS RAM 64KB			
Interface	RS-232C/485 x 1 Ethernet x 1 USB (Type A) x 1 USB (mini B) x 1 CANopen (Master) x 1			
Structure	IP65F			
External Dimensions	Display Module: W163 × H129.4 × D17.5mm (W6.42 × H5.09 × D0.69 in.) Rear Module: W128 × H108 × D60.15mm (W5.03 × H4.25 × D2.36 in.)		Display Module: W97.6 × H80 × D16.2mm (W3.8 × H3.1 × D0.63 in.) Rear Module: W128 × H108 × D60.15mm (W5.03 × H4.25 × D2.36 in.)	
Panel Cut Dimensions	φ22.5mm			
Connectable Devices	4			
Built-in DIO (Input)	20 points (configurable 2 x High Speed counter/Pulse catch or 1 Up/Down High Speed Counter)	12 points (configurable 2 x High Speed counter/Pulse catch or 1 Up/Down High Speed Counter)	20 points (configurable 2 x High Speed counter/Pulse catch or 1 Up/Down High Speed Counter)	12 points (configurable 2 x High Speed counter/Pulse catch or 1 Up/Down High Speed Counter)
Built-in DIO (Output)	12 points (configurable 2 x PWM/Pulse)	8 points (configurable 2 x PWM/Pulse)	12 points (configurable 2 x PWM/Pulse)	8 points (configurable 2 x PWM/Pulse)
Built-in AIO (Input)	0 points	4 points (Voltage/Current x2 - Temperature input x2 included)	0 points	4 points (Voltage/Current x2 - Temperature input x2 included)
Built-in AIO (Output)	0 points	2 points (Voltage/Current x2)	0 points	2 points (Voltage/Current x2)



website



video



manual



datasheet



CAD



software

Industrial PC

PS5000 Series



Enter the Next Stage of Smart manufacturing with Pro-face Industrial PC

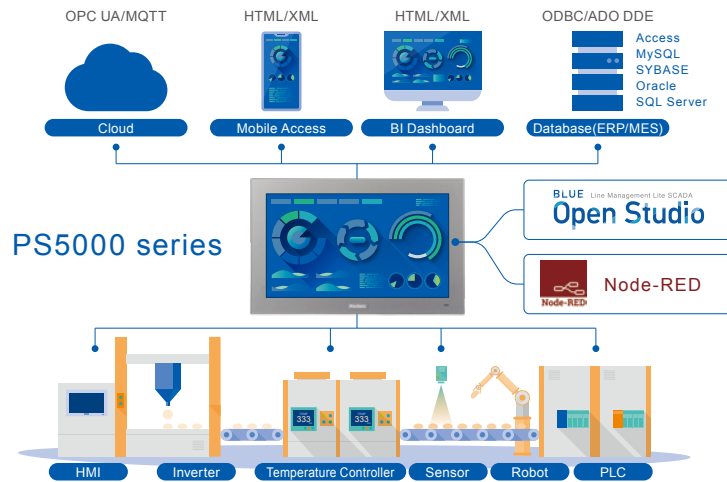
Powerful Solution

“IoT at manufacturing floor” connects machines and enables data visualization. As the needs of collaboration with management systems and a range of BI tools have been increasing. IoT at manufacturing floor has further evolved into Industry 4.0 or Smart Factory. Using highly reliable PS5000 Series and Lite SCADA software “BLUE Open Studio” and Node-Red allows you to smartly handle line management from visualization of equipment to edge control and connection to IT network.

01 Achieves smart manufacturing with PS5000 Series

Visualize production targets and results with a connected database

Capture data for production, uptime/downtime and more to any SQL database. Using its embedded database interface, BLUE Open Studio can easily provide data from the production site to third-party systems (e.g. ERP, MES) or get data from them. And Pro-face has the Node dedicated for PS5000 available, you can create a dashboard that monitors status of PS5000 as well.



High connectivity with various devices

BLUE Open Studio has over 250 built in drivers, supporting major PLC manufacturers such as Allen Bradley, Siemens, Schneider, Mitsubishi, Omron, as well as standard protocols MODBUS RTU/ASCII, profibus are included.

OVER 250 DRIVERS

02 Reliable operation

Hardware design to easily troubleshoot 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 of disk problems.

Hotswap Supported



*Supported version : PV 04 or later

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.



A variety of options to fit the required interface

Choose from a variety of interface options. In addition to the wide variety of standard interfaces built-in, the additional interface options make this an ideal product for customers looking to expand connected equipment.



For detailed specifications, refer to the Web site (<https://www.proface.com/en/product/ipc/ps5000/option>)

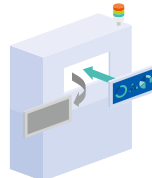
Cybersecurity

The Modular Type is compatible with encryption enabled by TPM, Windows BitLocker and McAfee Embedded Control license (Whitelisting) is provided.



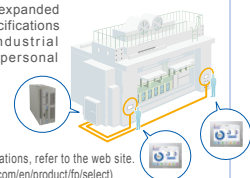
Compatible panel cut out

From the PL3000 Series released in 2007, we have provided consistently panel-cut dimension compatible products.



Remote display

Screens can be expanded with Factory specifications for displays, industrial computers and personal computers.




For detailed specifications, refer to the web site. (<https://www.proface.com/en/product/ips/select>)

Modular Type

Combine the box type and the display in a range of sizes from 12 to the ultra-large 22 inches. Flexibly change the functions and sizes. The box is a stand-alone component and can be connected to various displays.

Display Module



22" wide

15" wide

12" wide


19" wide

15"

12"

×

Box Module



Core i7

Celeron

Atom

Display Module						
	PS-5900W	PS-5800W	PS-5700W	PS-5600W	PS-5700T	PS-5600T
Display Size	22"wide	19"wide	15"wide	12"wide	15"	12"
Rated Input Voltage	100...240Vac / 24Vdc					
Resolution	1,920 x 1,080pixels (Full HD)	1,366 x 768pixels (FWXGA)		1,280 x 800pixels (WXGA)	1,024 x 768pixels (XGA)	
Touch Panel Type	Capacitive (5 simultaneous touch)				Resistive Film (single touch)	
Structure	IP66					

Box Module				
	PS-5000B		PS-5001B	
Model	Core i7	Celeron	Atom	Atom(Entry)
CPU	Core i7-4650U 1.7 GHz		Celeron 2980U 1.6 GHz	
Storage memory	HDD (500GB / 1TB) or SSD (128GB / 256GB) or CFast*1 (16GB*2 / 32GB)		M.2 SSD (64GB / 128GB / 256GB)	M.2 SSD (64 GB / 128 GB / 256 GB) or HDD *2 (500 GB / 1TB) SSD *2 (256 GB)
Main Memory	8 GB or 16 GB, DDR3		4 GB or 8 GB, DDR3	
Rated Input Voltage	24Vdc		12...24 Vdc	
OS	Win7 Ultimate (64bit) or WES7 (32 / 64bit) or Win8.1 Industry (64bit) or Win10 IoT Enterprise (64bit)		Win10 IoT Enterprise (64bit)	
Interface	RS-232C / 422 / 485 x 1, Ethernet x 2, USB (Type A) x 4, Display Port x 2,		RS-232C x 1, RS-232C / 422 / 485 x 1, Ethernet x 2, USB (Type A) x 4, Display Port x 2	
Optional interface	x 2		None	x 1
Expansion Slot	0 slot or 2 slots		0 slot	

*1 Only WES7 *2 For secondary storage only.

Slim Type



This integrated panel offers a drastically slimmer profile with less wasted space, while retaining the high performance. The optimized design is ideal for equipment that needs to save space.

19" wide
15" wide
10" wide

	PS-5811W	PS-5711W	PS-5701W	PS-5501W	PS-5821W (Enclosed Model)
CPU	Core i3 1.7GHz		Atom 1.75GHz		Core i3 1.7GHz
Display Size	19"wide	15"wide		10"wide	19"wide
Rated Input Voltage	100...240Vac / 24Vdc				24Vdc
Resolution	1,366 x 768pixels (FWXGA)			1,280 x 800pixels (WXGA)	1,366 x 768pixels (FWXGA)
Touch Panel Type	Capacitive (5 simultaneous touch)				
Main Memory	DDR3 (8GB)		DDR3 (4GB)		DDR3 (8GB)
OS	Win7(64bit) / Win8.1 Industry (64bit) / Win10 IoT Enterprise (64bit) / WES7 (32 / 64bit)				
Main Storage	HDD (500GB / 1TB) / SSD (80GB / 180GB / 240GB) / CFast*1 (16GB*2 / 32GB)				HDD (500GB / 1TB) / SSD (80GB / 180GB / 240GB)
Expansion Slot	-				
Interface	RS-232C / 422 / 485 x 2, Ethernet x 2, USB (Type A) x 2, HDMI x 1, Speaker Output x 1, Internal Expansion x 1		RS-232C x 1, RS-232C / 422 / 485 x 1, Ethernet x 2, USB (Type A) x 2, Internal Expansion x 1		RS-232C x 1, Ethernet x 2, USB (Type A) x 1, Internal Expansion x 1
Structure	IP66				IP66 (all around)

*1 Only WES7 *2 For secondary storage only.



Data collection devices

Multi-Converter



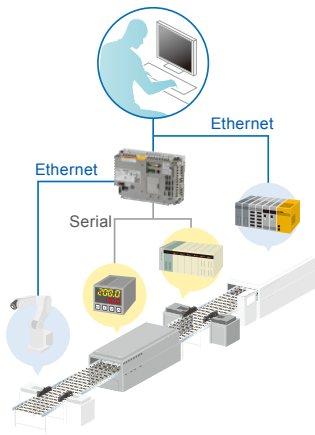
Step Towards IoT

A multi-converter that offers a solution for data collection, connecting to a wide variety of equipment as well as PLC

Smart Gateway

01 Merge data from different devices

Unify protocols and collect data efficiently



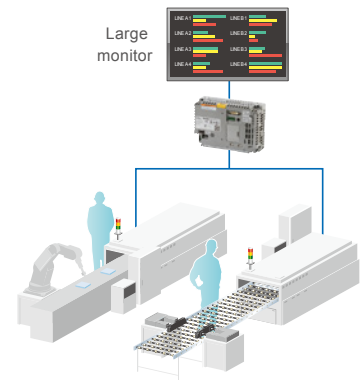
02 Tablet-based on-demand HMI

See status of equipment or devices in the right place at the right time.

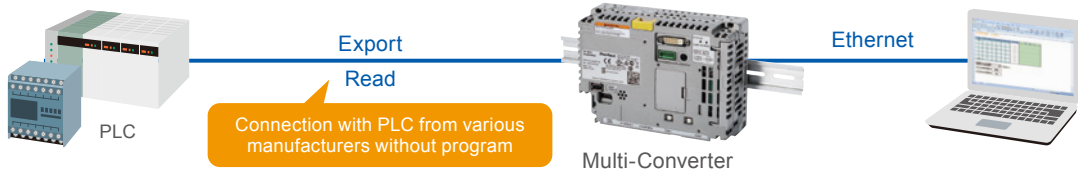


03 HMI for ANDON (Large-size monitor)

Optimize work by sharing production status.



04 Easily collect PLC data by network or USB memory



Base module	PFXSP5B41	PFXSP5B10	PFXSP5B00	PFXLM4B01DAC PFXLM4B01DAK PFXLM4B01DDC PFXLM4B01DDK	PFXGM4B01D
Adapter	PFXZCDAEXP1			PFXZXMADSA1	

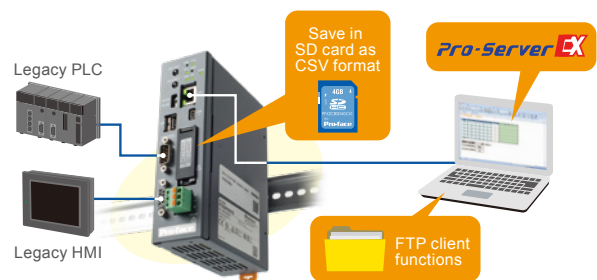
FANUC limited model(Model:PFXLM4B01DAKFF) is available. Data collection from CNC of old machines.



Data collection device

Pro-face IoT Gateway

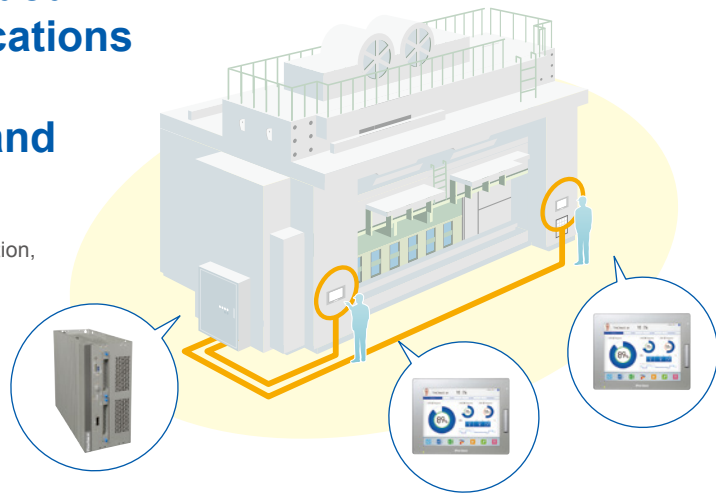
Even if the serial communication I/F is occupied, data can be collected by relaying between devices. Connectable without changing the program of the HMI and PLC. Data can be collected while maintaining communication of old devices.



Model No : PFXGP4G01DNWLS

Screens can be expanded with industrial specifications for displays, industrial computers and personal computers.

As embedded displays with industrial specification, 3 types of DVI-D/Display Port/Ethernet connection are available.
In addition, acquisition of overseas standards and installation of VESA are applicable.



Flat Panel Monitors FP5000 series

Industrial flat panel display with high environmental resistance that allows multi-gesture control even when wearing gloves.

- Replaceable from FP3000 series
- Automatic scaling functions
- Windows XP compatibility

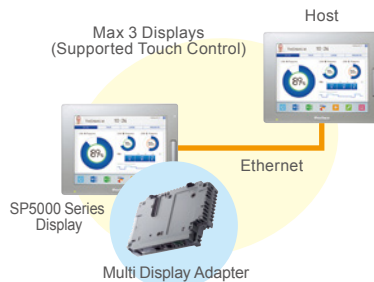


	FP-5700TPD	FP-5600TPD
Model	PFXFP5700TPD	PFXFP5600TPD
Display Size	15"	12"

Hi-Performance HMI SP5000 Multi Display Adapter

Expansion unit for using the SP5000 series display as an Ethernet flat panel display.

- Connectable up to 100 meters with one Ethernet cable
- Support both duplicate and extended mode, a touch operation exclusive control



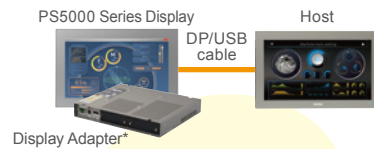
	Multi Display Adapter
Model	PFXZCDADEXR1

Industrial PC PS5000

Remote Display Adapter / Display Adapter

Extension unit for the SP5000 displays allowing you to add a high-quality, glass front display to a SP5000 host.

Connected with DP/USB



Connected with Ethernet



Receiver module for Display Adapter (PFXZPPDMPRX2)
Transmitter module for Display Adapter (PFXZPPDMPTX2)

*Only for BTO

	FP5000 Series	SP5000 Series Display + Multi Display Adapter		PS5000 Series Display + Display Adapter	
Touch Panel Type	Resistive Film (Analog)	Capacitive (5 simultaneous touch)	Resistive Film (Analog)	Capacitive (5 simultaneous touch)	Resistive Film (Analog)
Size	15" / 12"	19"wide / 15"wide	15" / 12"wide / 12" / 10"wide / 10" / 7"wide	22"wide / 19"wide / 15"wide / 12"wide	15" / 12"
Host	PS5000 / PS4600 / PE4000B / SP5000 Open Box (SP-5B41) / General-purpose PC	SP5000 Open Box (SP-5B41) / PS5000 / PS4600 / PE4000B / General-purpose PC		PS5000 / General-purpose PC *1	
OS	WinXP (32 bit), WES2009 Win7 (32 / 64 bit), WES7 Win8 (32 / 64 bit) Win8.1 Industry (64 bit)	Win7 (32 / 64 bit), WES7 (64 bit) Win8 (32 / 64 bit) Win8.1 Industry (64 bit) Windows10 IoT Enterprise 2016 LTSB (64bit)		Win7 (32 / 64 bit), WES7 (64 bit) Win8.1 Industry (64 bit) Windows10 IoT Enterprise 2016 LTSB (64bit)	
Video	DVI-D	Ethernet		Ethernet *3	Display Port
Touch	USB (Type B)			Ethernet *3	USB (Type B)
Distance to connect	5m (16ft.)	100m (328ft.)		100m (328ft.)	5m (16ft.)
Rated Input Voltage	12...24Vdc	12...24Vdc		100...240Vac (Option) / 24Vdc	
Surrounding air temperature	0...60°C	0...60°C		0...55°C	

*1 when connecting to Ethernet, only PS5000 *3 Additional items required to connect to Ethernet.

-  website
-  video
-  manual
-  software



Versatile Software

Revolutionary new software, BLUE offers an alternative experience in HMI project design. Anyone can easily create and change dynamic screens.

01 Refined



High quality graphics

Clearer fonts and screen parts make an obvious difference. The clarity is not affected by zoom level



Stylish design

Customize gradation and transparency to meet your needs. Stylish expression including transparent effects.

02 Simple & Easy



One source, multiple ways to present

Support HMI project designer to adapt/customize projects and create easily situational awareness projects delivering more intuitive projects to the operators.



View all needed information at once

Simply display all necessary screens in one place. Multi-screen information gives rise to improvement in operation efficiency.



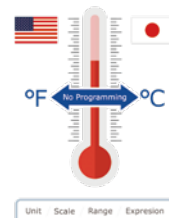
Responsive Behavior (Dock panel)

Several pages in one screen, and independent navigation in each section. Adapt the size of information to meet your needs with one click on the dynamic display.



Highly flexible graph features

Using data analyzing features, such as graph comparing, can produce more expressive insight than ever before



Change the value of a variable without programming

Use a converter to change the value of a variable from the defined unit, range, scale, and expression without programming.

Pro-face connectivity

User-friendly protocols allowing you to connect your devices with ease via multiple interfaces and connect OT to IT with OPC-UA server.

Secure remote access solution

"Pro-face Connect" is a ready-to-use solution for Remote Access Over Internet on ST6000 Series without programming or configuring each device. Start using the cloud based "Pro-face Connect" Smart Industry solution on your existing network without involving your IT department. No network or firewall configurations are required and still the highest level of security and encryption is in place from end to end, from any PC, tablet and smartphone to your machinery.

Enhanced cybersecurity against basic intentional attacks

- Need admin rights to download project to HMI target
- Auto user log out after predefined idle time
- Doing security checking during booting
- Secure Ethernet download supported by IPSec and password protected project file



Product Name	Model	Description
BLUE Professional	PFXBLPCZLSPM**	BLUE Professional (DVD)
BLUE Professional Group License	PFXBLPCZLGPM**	BLUE Professional Group License (3 Licenses / License key code)
BLUE Professional Team License	PFXBLPCZLTPM**	BLUE Professional Team License (10 Licenses / License key code)
BLUE Basic	PFXBLECZLSPM**	BLUE Basic (DVD) * for only ST6000 Series / GP4100 Series Color Model
BLUE Professional Fixed Term License	PFXBLXCZLSRA**	BLUE Professional Fixed Term License (1 License / License key code)
BLUE Runtime	PFXBLRCZLSPM**	BLUE Runtime * for Windows PC

** is changed with the version of software.

HMI Design Studio

Start the best experience with Pro-face HMI

HMI Design Studio is a creative and easy-to-use website that helps you and your team create HMI design for engineering



website



Installer

Download Pro-face HMI Versatile software BLUE (Full Installer / Trial Mode).



Design Studio

Download over 300 kinds of ready-made template screens and parts or design it by yourself.



Online Tutorial

Learn skills to achieve your personal and professional goals. Join today to get access to thousands of courses.



Blue Support

Contact our support or learn more about support topics that will help you.

Welcome to a whole new HMI experience

www.proface.com/en/service



BLUE Line Management Lite SCADA Open Studio



Flexible software for your need

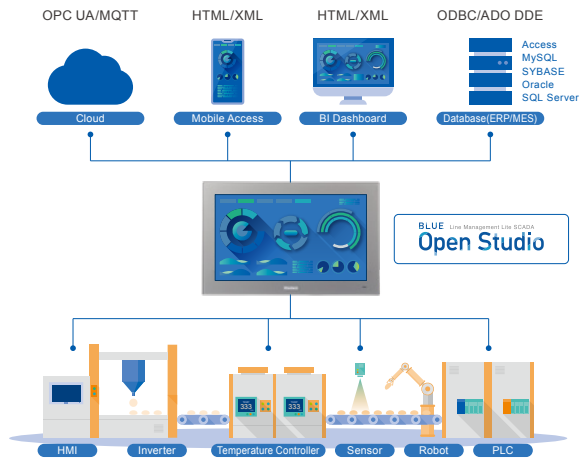
Pro-face BLUE Open Studio is a development and runtime software that incorporates all of the tools users need to create SCADA HMI applications, dashboards and OEE interfaces.

Basic Features

Scripting	Animation	Recipes	Email (SMTP)
Security	Database	Multi-touch	FTP
Symbols	Events	Reports	Historical Performance
Tags Database	Graphics and Design Tools	Scalable	PDF Export
Troubleshooting	Trends	Scheduler	SSL Support for Emails
Gestures	Multi-Language	OPC	DDE Client
Alarms	ActiveX and .NET	Intellectual Property Protection	Custom Widgets

Connectivity

250+ available communication drivers for PLCs and many other devices.
Native OPC interfaces such as OPC UA/DA
Active X and .Net controls
Support upper connectivity to DB through MQTT.

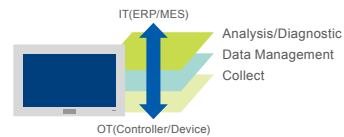


Database

Connect to any SQL database (Microsoft SQL, MySQL, Sybase, Oracle), or Microsoft Access or Excel, and ERP/MES systems (including SAP), even from Windows Embedded Compact Edition. BLUE Open Studio is flexible, offering a built in interface that doesn't require knowledge of SQL for trends, alarms/events, grid and other objects).

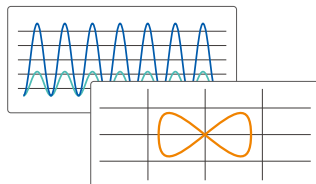
OPC

BLUE Open Studio provides native OPC interfaces, such as OPC DA (Server/Client), OPC HDA(Server), UA (Server/Client) and OPC .NET 3.0 (Client). BLUE Open Studio also supports OPC XML.



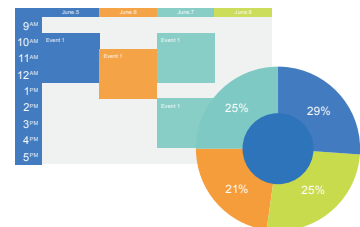
Trends

Real-time and Historical trends, and SPC functionality are supported. Log data in binary format, or to any local or remote SQL database. Color or fill trends with graphic elements to enhance clarity of data. Date/ Time based or numeric (X/Y plot) trends give you the flexibility to display information that best suits your application.



Custom Widget

Custom Widgets provides the ability to integrate third-party web-based controls into the HMI/SCADA project screens. Develop and share a library of controls that can be easily integrated into an application and accessible through multiple platforms.



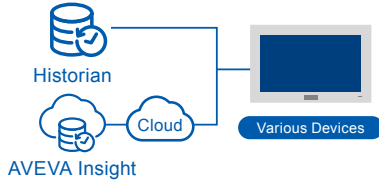
FDA 21 CFR PART 11

Take advantage of built-in functionality to create 21 CFR part 11 compliant projects with traceability and e-signatures.



Historian

BLUE Open Studio includes support for saving historical data from some task worksheets to a Historian database or AVEVA Insight.



Remote Access

Access your BLUE Open Studio Screen from any device with a browser that supports HTML5, such as iPads, iPhones, Android devices, Windows devices, and others.



Import Wizard

PanelMate (Eaton and Cutler Hammer)
FactoryTalk View ME/SE (Rockwell)
PanelBuilder32SESSE (Rockwell)



BLUE Line Management Lite SCADA
Open Studio

License Lineup

Product Name	No.of Licenses	No.of Tags	Model	Media
BLUE Open Studio for Supervision	1 License	64,000	PFXBOS*T64K*V80	DVD/Sticker
BLUE Open Studio for Line Management Plus	1 License	32,000	PFXBOS*T32K*V80	DVD/Sticker
BLUE Open Studio for Line Management	1 License	4,000	PFXBOS*T4K*V80	DVD/Sticker
BLUE Open Studio for Machine Control	1 License	1,500	PFXBOS*T1K*V80	DVD/Sticker
BLUE Open Studio Thin Client	1 License	-	PFXBOSTC	Sticker
BLUE Open Studio Import Wizard	-	-	PFXBOSTK	Sticker
BLUE Open Studio USB Hard key	-	-	PFXBOSUSBL	USB

* To version-up from Version 8.0 to 8.1, version-up licenses are required. In addition, upgrade licenses are available to upgrade (ex, from Line management plus to Supervision)

BLUE Line Management Lite SCADA

Open Studio + PS5000



PS5000 Series and BLUE Open Studio bundle to improve your business. This offer will help you increase your business opportunities.



Full technical support & Integration

Our technical support team will be your single contact for H/W, S/W and OS. This will improve our efficiency to resolve any issues and to provide a better customer support experience.



Save time & resources on validation and commissioning

Our bundle offer goes through an extensive series of tests and a strict validation process to ensure not only the quality of the H/W, S/W or OS separately but also as a whole system. This will help you saving time, resources and money on validation and commissioning.



Sustainable supply & compatibility

We will continue to supply our product as much as possible. In addition, even if a replacement model comes out, this re-validation phase will be fully executed on our side through a complete validation phase to ensure the compatibility of H/W, S/W and OS. This means that for you, there will be no re-validation needed.



website



manual



software

Screen editor software

GP-Pro EX



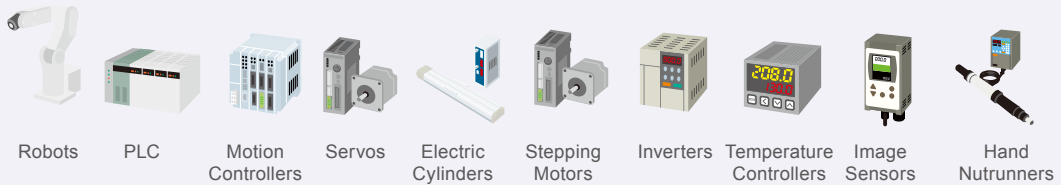
Standard screen editor software

Enables HMI screen and logic programming.
Screen customization can be performed with ease due to many functions that promote compatibility with legacy applications and reduce development time.

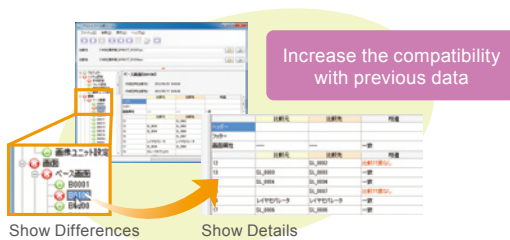
01 Connect directly to a wide range of devices

Largest number of drivers in the industry and many sample parts that enable connection with various manufacturers' equipment.

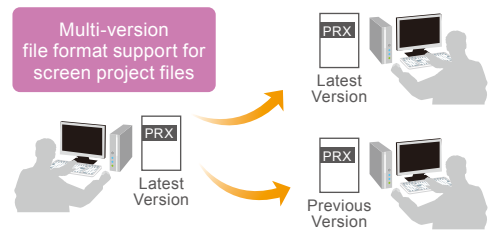
Pro-face products provide direct connection with various equipment



02 Leverage existing assets



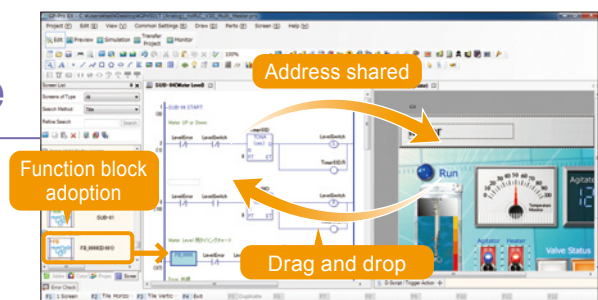
Able to display the difference between two similar files in detail.



Screen project files edited in the latest version can also be saved in the previous version.

03 Screen and logic can be edited with one software

Controller addresses can be used directly in the editor via drag and drop, thus reducing the development time.



04 Easy creation of bright, vivid screens

Check everything visually on-screen, just like with real switches and lamps.



Use image fonts to expand design possibilities.



And more...

Ethernet multilink

Multiple HMIs can be easily added or connected with a single control device using Ethernet.

Compatible with FTP client

Data sampled by HMI can be saved as CSV on the FTP server.

UP
GRADE

05 Empower your equipment

With this simple software update, your Pro-face HMI can directly send an email via SMTP (TLS / SSL). You can also set triggers to transmit desired information whenever you like.



Runtime engine *WinGP*

Screens created by GP-Pro EX operate on a Windows OS-equipped machine using the Runtime engine.

01 Seamless communication with control equipment

No need to develop a driver to communicate with control equipment such as a PLC or temperature controller.

02 Cooperation with user database using dedicated API

Settings of WinGP are editable and device address read/write of the connected device can be done by the user application.

No drawing required in programming language



PS5000



PLC

Model	Description	
PFEXEDV**	HMI screen editor & logic programming software (DVD)	
PFEXEDLS**	1 license	GP-Pro EX editor license (license key code)
PFEXGRPLS**10	10 licenses	GP-Pro EX Editor Group License (license key code)
PFEXGRPLS**25	25 licenses	
PFEXGRPLS**50	50 licenses	
EX-WINGP-IPC	1 license	License for using WinGP on WinGP-compatible IPC (license key code)
EX-WINGP-PCAT	1 license	License for using WinGP on PC/AT-compatible PC (license key code)

** is changed with the version of software.



website



manual



software

Data management software

Pro-Server EX

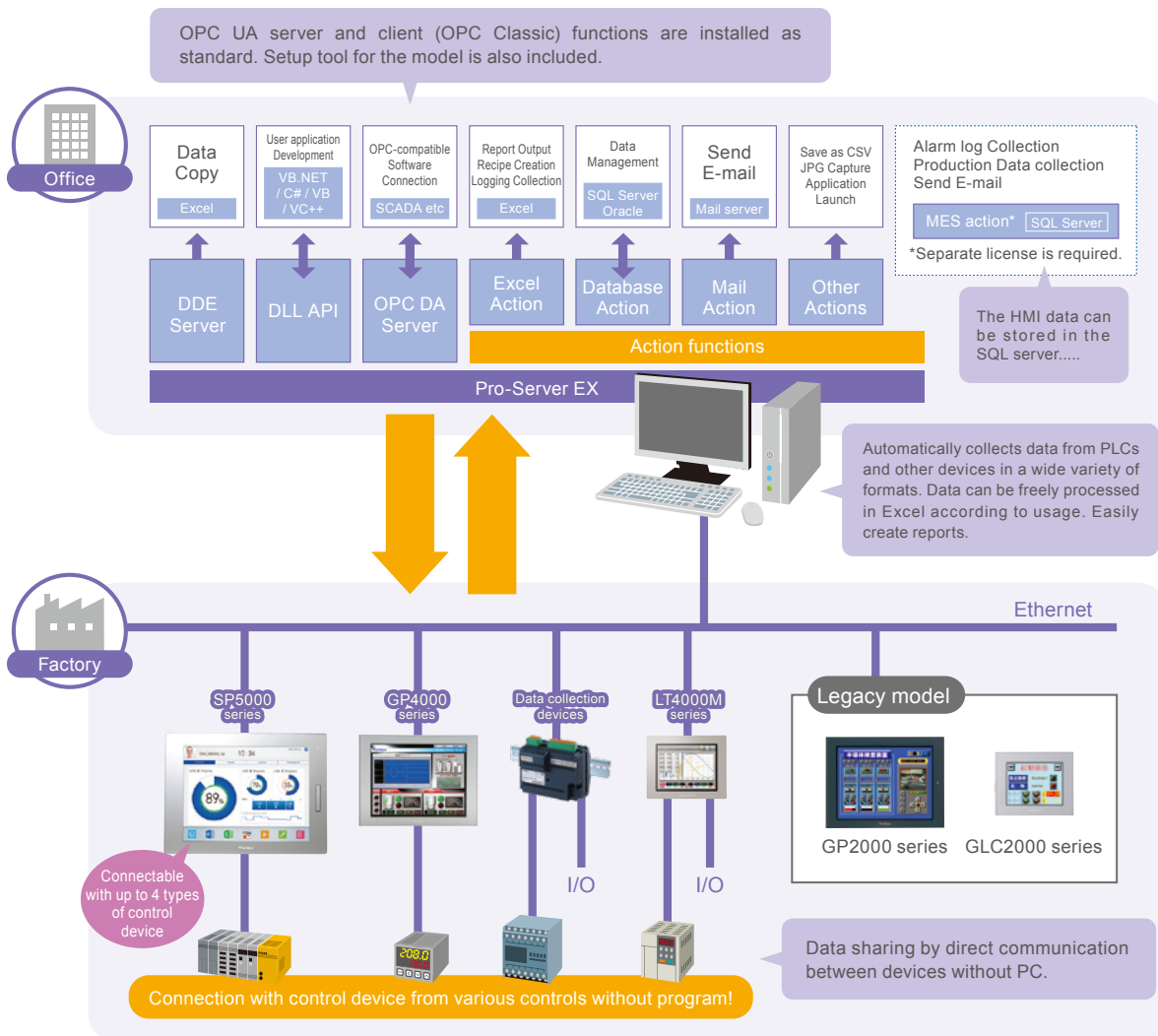


A simple way to start networking to enhance the communication between the office and the manufacturing site.

Real-time visualization and analysis of data from production sites. Remote machine monitoring and transfer of work instructions to increase efficiency between the production site and the office.

01 Networking of the entire site to collect data collectively without programming

Collecting accurate information, and analyzing and utilizing all your data will lead to improvement in working processes!



Model	Description	
PFXEXSDVV**	HMI screen editor & logic programming software (DVD)	
EX-SED-LICENSE	License	Pro-Server EX Developer License (license key code)
EX-SRT-LICENSE	License	Pro-Server EX Runtime License (license key code)
EX-MES-LICENSE-V**	License	License key permitting Pro-Server EX to access a database (license key code)

** is changed with the version of software.

Supported Model (Client) *Only model with Ethernet I/F (except GP-4104)	SP5000 SP5000X GP4000 GP3000 LT4000M LT3000 IPC supported WinGP Pro-face IoT Gateway IPC supported WinGP	Old Model with Ethernet I/F	GP2000 Series GLC2000 Series GP77R Series IT2400 Series Factory Gateway
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Pro-face Connect

Connect and Go

Pro-face Connect is a ready-to-use embedded HMI service to access machines remotely and securely.



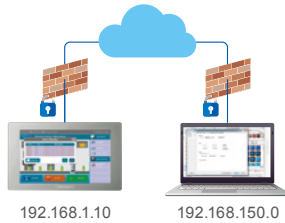
01 Small initial cost

No need to locate VPN router in every branch. Able to operate the system with only the license of running cost.



02 Able to use IP address with no change

Able to connect to the existing local IP address with no change. No man-hours to change an IP address.

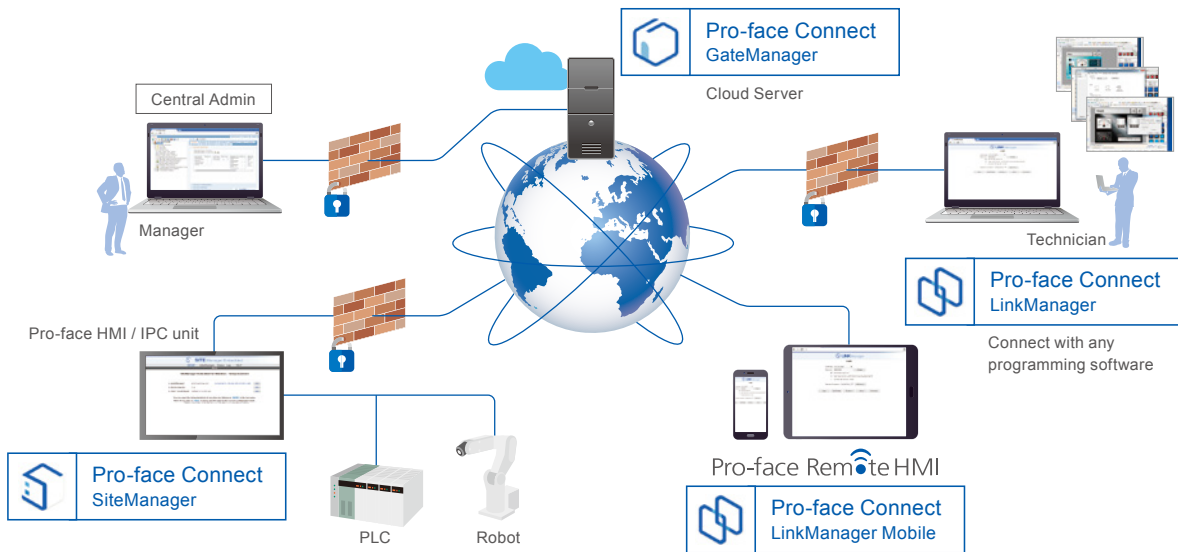


03 Connect securely

Conforms with industry level standards for security. Able to build a secure network.
 - User access based on x.509 Cert.
 - AES data encryption
 - ISA99 and IEC 62443



Pro-face Connect



License Lineup

	Product Name	Model	Description
FREE	FREE TRIAL PACK	PFXCONFREE30	Trial package running 30 days
Basic Packs	Pro-face Connect Essential Pack	PFXCONPACKESS	1 x GateManager Customer Domain
			1 x LinkManager Floating License
	Pro-face Connect Enterprise Pack	PFXCONPACKENT	1 x LinkManager Mobile License
			1 x SiteManager Extended 5 (Annual)
Extended access to program other devices	SiteManager Embedded extended license	PFXCONEXTD5	1 x GateManager Customer Domain
	SiteManager Embedded extended license	PFXCONEXT10	1 x LinkManager Floating License
			1 x LinkManager Mobile License
			20 x SiteManager Extended 5 (Annual)
			1 x GateManager Premium Access
			1 x Pro-face Connect SiteManager Embedded EXTENDED license, 5 device agents
			1 x Pro-face Connect SiteManager Embedded EXTENDED license, 10 device agents



website



video



software

Remote monitoring

Various remote monitoring software to meet the exact needs of every customer.

Accurately convey vital information in a timely and effective manner to make your factory a "smart factory". Remote machine monitoring and transfer of work instructions to increase efficiency between the production site and the office.



Pro-face Remote HMI

Software that enables tablets and smartphones to display and operate the exact same screen as the on-site HMI. Secure design with full-feature functions taking into consideration tablet operations.

- Supports both synchronous and asynchronous modes
- Exclusive control of touch operation and password setting at connection
- Simultaneous access from multiple tablets
- Register up to 100 HMIs on one tablet
- Alarm notification from registered HMI

Screen confirmation without stopping operation



Central monitoring



Supported OS | Android OS, iOS (iPhone, iPad, iPod touch) | Download (purchase) from App Store / Google Play

Pro-face Remote HMI Server

Installing Pro-face Remote HMI Server on a Windows device allows users to monitor and operate Excel and PDF files from Pro-face Remote HMI, in addition to the terminal operator screens.

Screens available to display on mobile device can be set according to user.
[Full screen] [Application]
[Area specification of screens and applications]



Model	Description
PFEXRHSL5	Software to operate and monitor Windows applications such as Excel or PDF besides Pro-face HMI screen

Supported Model (Monitoring)	SP5000 Open Box PS5000 PS4000 PE4000B PC / AT Compatible
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* WinGP for PC / AT (EX - WINGP - PCAT) is required separately.

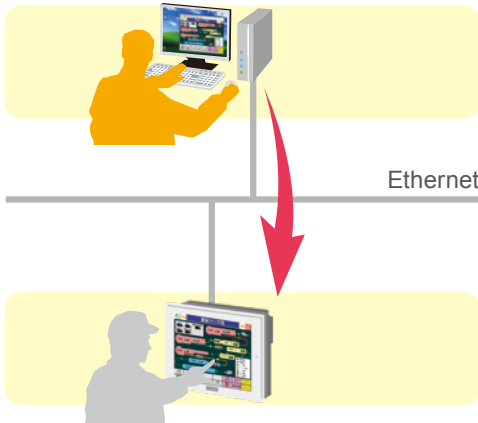


Pro-face Remote HMI Client for Win

More powerful Pro-face Remote HMI for Windows OS launched.
While inheriting the functions of Pro-face Remote HMI, newly improved functions were added.

Synchronous mode

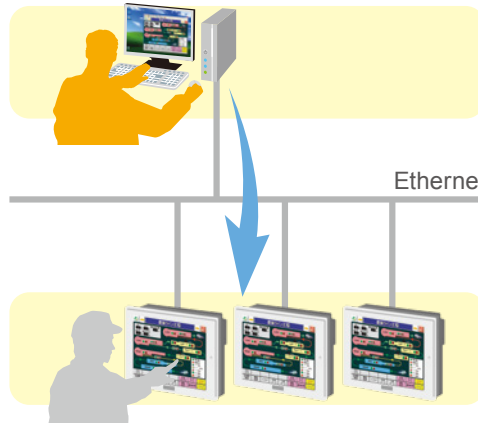
Remote monitoring of devices on-site in realtime.



Accurate instructions from office.

Asynchronous mode

Displayed screen is independent from remote display and operator can apply changes.



Changeable without stopping operation in the sites.

Simultaneous display of up to 6 HMI screens



Freely change the screen size regardless of the original HMI resolution

Model	License	Description
PFEXRHCLS	1 License	Software for remote viewing of Pro-face HMI from desktop PC (license key code)
PFEXRHCLS10	10 Licenses	
PFEXRHCLS30	30 Licenses	

Supported Model (Monitoring)	Supported Model (Monitoring)
Only model with Ethernet I/F (except GP-4104)	SP5000 SP5000X GP4000 LT4000M Pro-face IoT Gateway Multi-Converter PS5000 PS4000* PE4000B*

* Pro-face Remote HMI Server is required separately.



Remote Monitoring Software **GP-Viewer EX**

Operate and view HMI screens at the production site using personal computers Real-time monitoring without impact on communication traffic.

Supports both synchronous and asynchronous modes	Simultaneous access to HMI to be monitored from up to three PCs	Simultaneous display of up to 4 HMI screens	Remote monitoring on 3G/4G lines is also possible thanks to the reduced communication traffic
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Model	License	Description
EX-VIEWER-LICENSE	1 License	License allowing a PC to access HMI in remote mode (license key code)
EX-VIEWER-LICENSE-10	10 Licenses	
EX-VIEWER-LICENSE-30	30 Licenses	

Supported Model (Monitoring)	Supported Model (Monitoring)
*Only model with Ethernet I/F (except GP-4104)	SP5000 SP5000X GP4000 GP3000 LT4000M LT3000 PS5000 PS4000 PE4000B Pro-face IoT Gateway Multi-Converter



Customization and Services

For details, please contact your local Pro-face sales representative.

Customization

Basic menu

Reduce engineering set-up time

- Hardware and Software bundle, pre-configuring



Better design suits your machine

- Customized logo, Overlay bezel



Resistant to harsh environments

- Hardware protective coating



Specific needs

We offer you products individual needs besides the basic menu

Pro-face has many experiences of HMI customization service based on specific needs.

Consulting & Engineering

OT Enhancement and IT Expansion



Innovates

Screen design consulting and creation, Utilize HMI specialist know-how into machine and system design

Efficiency

Hardware replacement, Software conversion, IT / OT connection, build on HMI centric.



Sustainable

Industrial HMI specialist keeping long term relationship with customers

Pro-face Worldwide offices



website



01 Global Headquarters

Schneider Electric Japan Holdings Ltd.
Pro-face Japan Tokyo, JAPAN
www.proface.com/ja

04 China

Pro-face China International Trading
Shanghai, P.R.CHINA
www.proface.com.cn

07 Singapore

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SINGAPORE
www.proface.sg

10 Vietnam

Pro-face by Schneider Electric
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Pro-face

by Schneider Electric

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