



Pro-face Product Guide 2024

Find the best HMI from our wide range of products



proface.com

Pro-faceTM
by Schneider Electric

What is Pro-face

Pro-face revolutionized how humans interact with machines, heralding a new era of industrial automation by developing the world's first programmable graphic terminal.

We have provided industry standards in Human Machine Interface technology since its inception.

Pro-face's pioneering spirit extends far beyond the first HMI creation. We continuously push the boundaries of what's possible in human-machine interaction, introducing innovative features, intuitive interfaces, and advanced functionality.

We trust customer satisfaction is of utmost importance. Our HMI expert team is always ready to provide technical assistance, comprehensive training, and guidance throughout your automation journey.

Experience the transformative impact that Pro-face brings to your industrial automation endeavors.

[Pro-face Brand History Video](#)



Testimonial

Why customers choose our Pro-face HMI for semiconductor processes.

“Due to the stringent requirements for handling liquids for semiconductor processes and end users' strict control over construction schedules, our top priorities are to ensure the stability and reliability of devices as well as the reliability and the on-time delivery of products. From our experiences importing and using the Pro-face HMI and software, we have been amazed by the reliability, durability, and functionality of Pro-face products! The Pro-face products have improved customer satisfaction and confidence in ALES Asia products and optimized the operators' user experience and work efficiency. The collaboration of the two companies has created a synergistic effect! And the long-term support and services of the Pro-face team mean we also believe that Pro-face is a trustworthy partner.”

Air Liquide Electronics Systems Asia

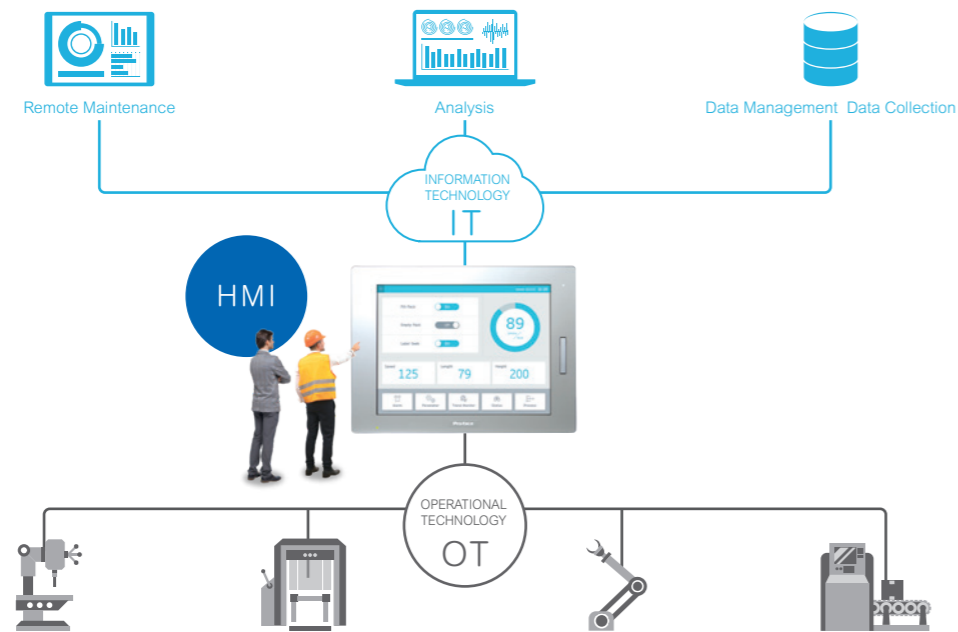


Pro-face Brand Concept

HMI Centric

Pro-face Industrial IoT solution

Reposition the human in the center of the automation architecture. Interactive and intuitive operations help to make sharp and timely decisions by everyone - everywhere.



| | | |
|---|--|--|
| <p>High Flexibility</p> <p>OT / IT Connectivity</p> <p>Offer Scalable and Customizable</p> <p>Collaborative System</p> | <p>Simple Visibility</p> <p>Intuitive Layout Design</p> <p>Increasing Information Value</p> <p>Modern Visualization</p> | <p>Strong Reliability</p> <p>Robust and cyber secure Solutions</p> <p>Global Availability / Support / Training</p> <p>Effortless migration to innovations</p> |
|---|--|--|

Virtual Showroom

Unique online experience that allows you to explore and interact with our latest products and solutions from the comfort of your place.

Customization and Services

High Flexibility Offer Scalable and Customizable

We provide a range of useful services for our customers. If services not stated in the list below are needed, we'll make every effort. For details, please contact your local Pro-face sales representative.

Basic Menu

| | | |
|---|--|---|
| <p>Reduce engineering set-up time</p> <p>Kitting</p> | <p>The better design suits your machine</p> <p>Logo, overlay, and label</p> | <p>Resistant to harsh environment</p> <p>Coating</p> |
|---|--|---|

World Wide HMI Specialist Support

Strong Reliability Global Availability / Support / Training

We endeavor to deliver the best support worldwide



- | | | | | |
|--------------|----------------|------------|-----------------------|-----------------------|
| 01 Japan | 07 Taiwan | 13 America | 19 Denmark and Sweden | |
| 02 Australia | 08 Thailand | 14 Brazil | 20 France | |
| 03 China | 09 Vietnam | 15 Canada | 21 Germany | |
| 04 India | 10 Indonesia | 16 Mexico | 22 Italy | 25 Spain and Portugal |
| 05 Korea | 11 Philippines | 17 Austria | 23 The Netherlands | 26 Switzerland |
| 06 Singapore | 12 Malaysia | 18 Belgium | 24 Poland | 27 United Kingdom |

Success Story

Why choose Pro-face

Industrial PC PS6000

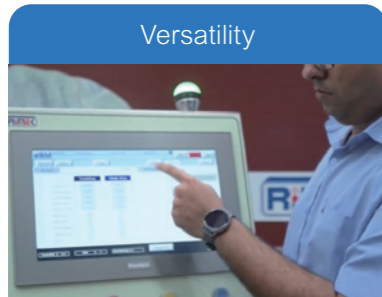
FDA



IRM manufactures tablet presses, capsule filling machines, and granulation equipment for pharmaceutical, nutraceutical, and aligned industries.

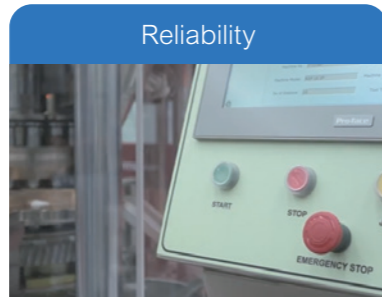
Background and Challenges (IRM Enterprises)

Now pharmaceutical companies are becoming more demanding because they are big and going for regulatory markets like USFDA, UK MHRA, and EU GMP. They want the machines to be 21 CFR Part 11 compliant, which was impossible with the HMI + PLC because this system requires more reliable hardware and software hence the need for IPC (Windows) + SCADA (BLUE Open Studio) + their application.



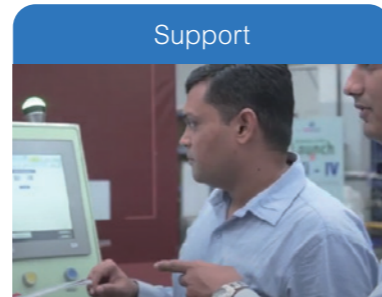
Versatility

A wide range of displays with multi-touch operation, and has many configurable tools.



Reliability

A very robust terminal, which can handle multi-tasking, take multiple loads.



Support

Support is very good and responses are very fast.

Advanced HMI SP5000X

Outdoor



Kawasaki Kiko Co., Ltd., a comprehensive manufacturer of tea production and harvesting machines with the top market share in this field, successfully implemented a next-generation project.

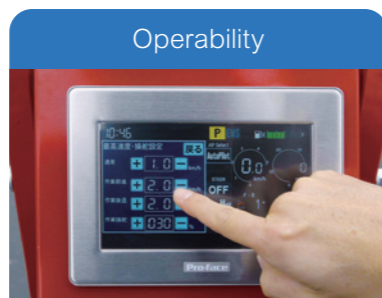
Background and Challenges (Kawasaki Kiko)

Next-generation machines must be more efficient and autonomous. In the past, devices used microcontroller-integrated LCD screens. However, HMI would better suit switch operation and operation display. Furthermore, the latest IoT makes use of the cloud, but incorporating such functionality in a machine running in fields would likely be a significant challenge.



Effectivity

Usual 3-year development time was reduced by 75% to around 1 year.



Operability

Operability improved by 200% by using a bright display and remote monitoring.



Readability

Maintenance efficiency increased by 30% through HMI specialist support.

Basic HMI ST6000

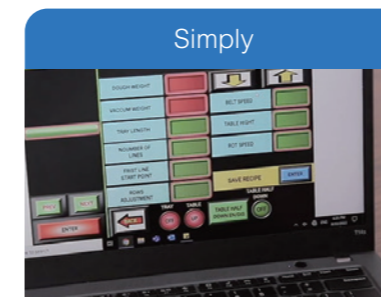
Food



Good Life Technologies Pvt. Ltd. was founded in 2007 and manufactures bakery machines. The company provides remote services for maintenance and support of these machines, leading to significant time and cost savings by eliminating the need to dispatch service staff.

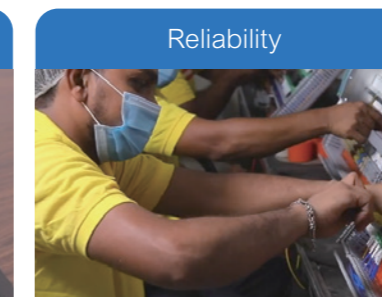
Background and Challenges (IRM Enterprises)

When exporting manufactured machines, it was necessary to dispatch staff to provide services and support, which took a lot of time and money.



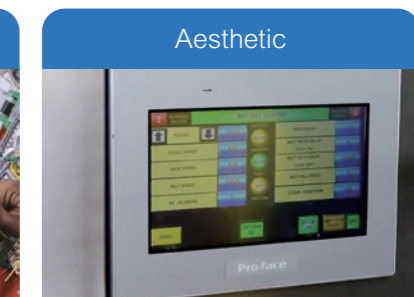
Simply

Easy tag integration with PLC, and simply giving an internet connection to the machine from the factory.



Reliability

Pro-face, being a pioneer brand in HMI and cyber-secure solutions can be provided to customers around the world.



Aesthetic

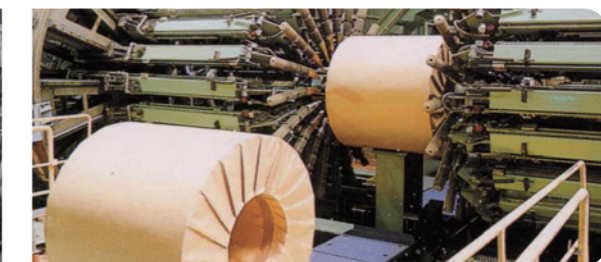
Aluminum front panel and highly customizable design with 16 million color variations.

Migration

Paper Machine



KAWANOE ZOKI CO., LTD. has been manufacturing paper machines and paper processing machinery since its founding and boasts an 80% share of the domestic market for household tissue-making machines.



Effortless Migration and HMI updating

The equipment we develop is designed to be used for a long period (10 to 20 years), but in some cases, the customer has a need to update the HMI, so the ease of migrating the HMI is essential. Migration tools such as project converters, accessories, conversion cables, etc., are fully equipped and updated without any problems. Another point that makes it easy to migrate is the fact that both analog and matrix touch panel types can be selected and the operability of the equipment can be inherited and migrated. This is undoubtedly one of the reasons why we have continued to use Pro-face HMI since its introduction in 1992.

HMI Centric Architecture reduces engineering efforts.

HMI Centric Architecture, the solution to problems associated with designing and developing your equipment, and save your time and effort in developing your system. Difficult work made easy with Pro-face as your partner.



IT (Information Technology)

Enable the IT system architectures to build secure robust remote solutions quickly.

- Empower Your Operations with Secure Cloud Data Upload

Learn more
- Enabling cloud services in a secure and easy to implement way

Learn more
- Simple and easy data management with remote SQL database

Learn more
- Simplified build secure networking

Learn more
- Remote monitoring services using a popular Cloud service

Learn more
- Simple, Secure & Robust Secure Remote Maintenance

Learn more
- Simple and Secure Remote Maintenance

Learn more

Smart Device

Empower the human workforce by improved exportability utilizing smart devices.

Effective Mobile operations

Learn more

OT (Operational Technology)

Collect and visualize and Utilize various data from OT devices efficiently.

- Simplified and efficient data exchange with IO-Link master units

Learn more
- Easy and Simple connectivity and visualization of FANUC CNC

Learn more
- Smart security with face recognition

Learn more
- Empower Operators with Network camera

Learn more
- Effective Traceability with RFID reader

Learn more
- Enhance Security with ID Card (NFC) reader

Learn more
- Collaboration

Visualization of Robot Information with HMI + Yaskawa Robot / Servo / Machine Controller.

Learn more
- Collaboration

Efficient operation by High integration with IAI ELECYLINDER

Learn more



HMI Selection Guide

HMI Selection Guide helps you find the ideal HMI for your specific needs.

| Data | Simple Machine | Complex Machine | Line management | Edge Box |
|------|----------------|-----------------|-----------------|----------|
| | | | | |
| | | | | |
| ++++ | | | | |
| +++ | | | | |
| ++ | | | | |
| + | | | | |

Edge Box Open Studio BLUE GP-Pro EX

- Edge Box PC / Edge Box HMI / Gateway Box
- Multi Converter

Industrial PCs Open Studio BLUE GP-Pro EX

- PS6000 Series (Core i7 / Core i5 / Core i3 / Celeron / Atom)

Advanced HMI GP-Pro EX

- SP5000 Series (Modular)
- GP4000 Series (Standard)
- SP5000X Series (Outdoor)
- SP5000 Series + Options (HMI + Control)

Basic HMI BLUE GP-Pro EX

- ST6000 Series
- STC6000 Series (HMI + Control)
- STM6000 Series (22mm Hole Mounting)
- STW6000 Series (Web HMI)
- LT4000M Series (HMI + Control / 22mm Hole Mounting)

Compact HMI GP-Pro EX

- GP4100 Series

Entry HMI GP-Pro EX


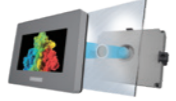





- ET6000 Series

Please get in touch with your local Pro-face Office to confirm availability and support in your Country.

Lineup Specification

| | | Edge Box | | | IPC | | | Advanced | | |
|----------------------------|---------------------------------------|--|---------------------|--------------------|---|---------------------------------------|-------------------------|---|-----------------|------------------------------------|
| | | Edge Box PC | Edge Box HMI | Gateway Box | PS6000 | | | SP5000 | SP5000X | GP4000 |
| | | | | | Advanced | Standard | Basic | Modular | Outdoor | Standard |
| HMI Software | | BLUE Open Studio, BLUE, WinGP(GP-Pro EX), AVEVA System Platform *Except for Basic | BLUE Open Studio | BLUE | BLUE Open Studio, BLUE, WinGP (GP-Pro EX), AVEVA System Platform *Except for Basic | | | GP-Pro EX | | |
| Related Software / License | Remote Monitoring | Thin Client License (BLUE Open Studio), Web Viewer License (BLUE), Pro-face Remote HMI (WinGP) | Thin Client License | Web Viewer License | Thin Client License (BLUE Open Studio), Web Viewer License (BLUE), Pro-face Remote HMI (GP-Pro EX<WinGP>) | | | Pro-face Remote HMI | | |
| | Remote connection service | Pro-face Connect | | | Pro-face Connect | | | Pro-face Connect | | |
| Feature | Integrate Windows Apps | Yes | No | | Yes | | | Yes | No | |
| | Protocols IT | HTTPs, OPC-UA, MQTT, HTML, XML, ODBC, ADO | | OPC-UA (Sever) | HTTPs, OPC-UA, MQTT, HTML, XML, ODBC, ADO | | | - | | |
| Visualization | Size | Only BOX | | | 12", 15", 12"w, 15"w, 19"w, 22"w | 12", 15" 10"w, 12"w, 15"w, 19"w, 22"w | | 10", 12", 15" 7"w, 10"w, 12"w, 15"w, 19"w | 7"w, 12"w, 15"w | 3.5", 5.7", 7.5", 10.4", 12.1" 7"w |
| | Resolution, color | | | | +++ | | | ++ | | + |
| | Performance | | | | High | | | High | | Standard |
| Operation | Touch operation | | | | +++ | | | ++ | | + |
| Connectivity | IT (Ethernet) | 2 | | | 2 | | | 2 | | 1 |
| | OT (Serial, USB, Fieldbus) | +++ | ++ | | +++ | | | +++ | | ++ |
| | I/O | Yes (Option) | No | | Yes (Option) | | No | Yes (Option) | | No |
| | Data backup operation | +++ | + | | +++ | | | ++ | | |
| Data handling | Storage | HDD/SSD x 1 or M.2 SSD x 1 HDD/SSD x 1 or M.2 SSD x 2 SD card x 1 | Local Storage | | M.2 SSD x 1 HDD/SSD x 2 | M.2 SSD x 1 HDD/SSD x 1 | M.2 SSD x 2 SD card x 1 | SD x 1 or SD x 2 or CFast | SD x 2 | SD x 1 |
| Environment | Environment resistance | + | | | + | | | ++ | | +++ |
| | Certification (Haz Loc, ATEX, Marine) | ++ | + | | ++ | | | +++ | | ++ |

Lineup Specification

| | | Basic | | | | | Compact | Entry | |
|----------------------------|---------------------------------------|---|---|---|---|---|---|---|-----------------------------|
| | | ST6000 | STM6000 | STC6000 | LT4000M | STW6000 | GP4100 | ET6000 | |
| | | Standard | 22mm Hole Mounting | HMI + Control | HMI + Control 22mm Hole Mounting | WEB HMI | | | |
| | |  |  |  |  |  |  |  | |
| HMI Software | | BLUE | GP-Pro EX | BLUE | GP-Pro EX | - | GP-Pro EX | GP-Pro EX | |
| Related Software / License | Remote Monitoring | Web Viewer License | Pro-face Remote HMI | Web Viewer License | Pro-face Remote HMI | Pro-face Remote HMI | - | Pro-face Remote HMI | |
| | Remote connection service | Pro-face Connect | | | | | - | - | Pro-face Connect |
| Feature | Integrate Windows Apps | No | | | | | | No | No |
| | Protocols IT | OPC-UA (Sever) | - | OPC-UA (Sever) | - | | - | - | |
| Visualization | Size | 4"w, 7"w, 10"w, 12"w, 15"w | 4"w, 7"w, 10"w, 12"w, 15"w 5.7", 10.4" | 4"w, 7"w | 5.7" | 3.5", 5.7" | 4"w, 7"w, 10"w, 12"w, 15"w | 4"w | 7"w, 10"w, 12"w, 15"w |
| | Resolution, color | ++ | | | | + | ++ | ++ | ++ |
| | Performance | Standard | | | | | | Standard | Standard |
| Operation | Touch operation | + | | | | | | + | + |
| Connectivity | IT (Ethernet) | 2 (4"w, 5.7", 10.4":1) | | 2 | 1 | | 0 or 1 | 1 | |
| | OT (Serial, USB, Fieldbus) | ++ | | | +++ | | - | + | + |
| | I/O | No | | | Yes | | - | - | - |
| | Data backup operation | + | | | | | - | + | + |
| Data handling | Storage | Local Storage | SD x 1 (Only 10.4") | Local Storage | 0 | - | 0 | 0 | |
| Environment | Environment resistance | + | | | | | | + | + |
| | Certification (Haz Loc, ATEX, Marine) | + | ++ | | + | +++ | + | +++ | + |

Edge Box

Easy and efficient connecting OT and IT in various needs

Pro-face Edge Box is a powerful solution designed to bring intelligence and connectivity to the edge of your industrial operations. It seamlessly integrates various industrial systems, allowing you to gather, visualize, and utilize data from multiple sources. Its compact and rugged box design ensures reliable performance in harsh industrial environments. Experience the power of edge computing with Pro-face Edge Box and unlock new possibilities for your industrial processes.



Edge Box

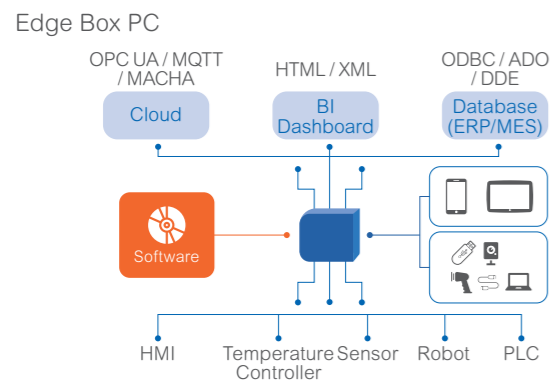
Step Towards Smart Manufacturing

Pro-face Edge Box has industry-leading connectivity that enables collecting and utilizing data from various devices in various locations. Depending on your needs, you can choose the best-in-class data-collecting device from our wide range of lineups. Just add the Pro-face Edge Box; no need to change the current design. Let's start Smart Manufacturing with Pro-face Edge Box right now.

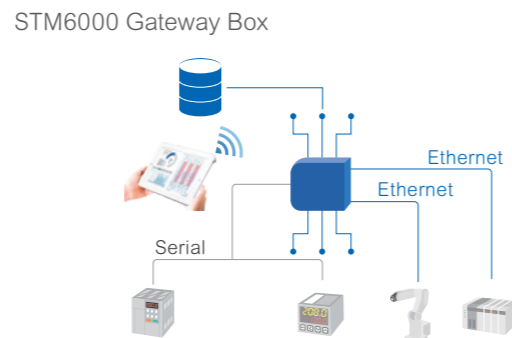


Smart Gateway

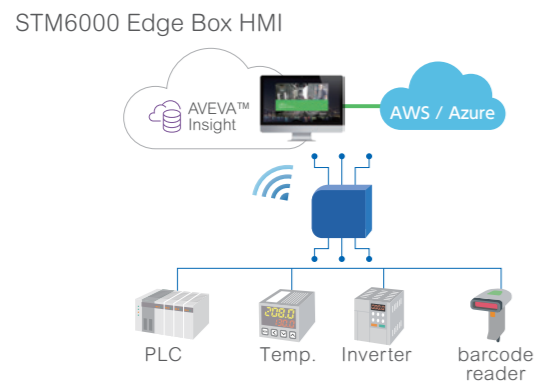
Application Integration



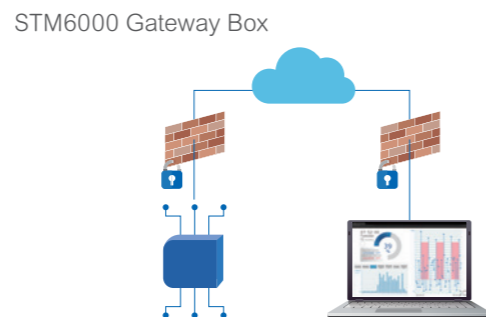
Data Generator



Get ready for Cloud service



Secure Access Point



| | Model No | Description | Software | Data management / Scheduler / Trend | OT Protocols | IT Protocols |
|--------------|--------------------|---|------------------------------------|--|-------------------------------------|--|
| Edge Box PC | PFXP67Bxxxxxxxxxx | PS6000 Series Box Module | BLUE Open Studio 2020 or later | Math task / Event logger with database | 158 available communication drivers | HTTPs, OPC-UA, MQTT, HTML, XML, ODBC, ADO, DDE |
| | PFXP65Bxxxxxxxxxx | | | | | |
| | PFXP63Bxxxxxxxxxx | | | | | |
| | PFXPC7Bxxxxxxxxxx | | | | | |
| | PFXP6DBB0NAxxxxxxx | | | | | |
| Edge Box HMI | PFXSTM6B00DIOT | Edge Box HMI + Din Rail accessory, HMI Runtime 500 tags, One connection Mobile Access | BLUE Open Studio 2020 SP2 or later | | 11 available communication drivers | |
| Gateway Box | PFXSTM6B00D | Basic Gateway HMI Runtime Web Viewer License | BLUE 3.2 or later | - | 76 available communication drivers | OPC-UA (Sever) |

Industrial PCs (IPCs)

Enhance Industrial Automation with Edge Computing

Pro-face IPCs offer powerful industrial PCs designed to meet the demands of edge computing applications. These rugged and reliable IPCs provide highperformance computing capabilities at the edge, enabling real-time data processing and analysis. With a focus on connectivity, security, and scalability, Pro-face IPC is ideal for deploying edge intelligence in industrial automation and control systems.





Industrial PC



PS6000 Series

BLUE Open Studio

BLUE

GP-Pro EX (WinGP)



Windows

Expand and enhance machine operability with the most reliable PC-based architecture experience.

PS6000 from the HMI leader: Robust as a terminal, Open and High-performant as a PC, even more economical.

| | | | | | | | | |
|------|----------|----------|----------|-----------------|-----------------|-----|----------|-----|
| Size | 22" Wide | 19" Wide | 15" Wide | 15" | 12" Wide | 12" | 10" Wide | Box |
| I/F | COM | LAN | USB | Expansion slots | Slot-in Options | | | |

New Experience

Highly Flexible HMI with Industrial PC

Industrial PC PS6000 Series is powerfully suited for individuals seeking to design highly flexible HMIs. You can find the ultimate solution for your HMI design needs.

Easy IT Connectivity



Address various connectivity requests without programming

- IT connectivity
- Connecting various OT devices
- Barcode readers and cameras, etc..

Improved machine operability



Machine UX undergoes a dramatic transformation by utilizing Windows applications

- PDF
- Video
- Photo
- browser
- Storage capacity of more than 128 GB, providing peace of mind.

Quality and global support from HMI specialists



From the HMI specialists Pro-face, the PS6000 designed in Japan realizes a reliable PC-based architecture experience with reliable testing and simulation from the development stage.

Flexible configuration



From a rich modular catalog, it is easy to change modules to be flexible to meet various needs.



New Experience for Automation Engineers and Machine Design Engineers

A rich modular catalog and a strong background of customization service. To run any software, including pre-installed bundles. Easily selected with new Product Configurator and with quick delivery.

Software

[Java](#)
[.NET](#)
[C++](#)
[Raid](#)
[Thin client](#)
[Security](#)
[MS Office](#)
 etc.

COST DOWN

TIME SAVE

QUICK DELIVERY

BOX

Advanced Box

- Core i7
- Core i5
- Celeron



Standard Box

Core i3



Basic Box

Atom



Display

Resistive multi touch

- 12"
- 15"
- 4:3

Capacitive multi touch

- 10" Wide¹
- 12" Wide
- 15" Wide
- 19" Wide
- 22" Wide
- wide

Options

HDD / SSD
Slot-in design

Interfaces
Slot-in design

PCI / PCIe^{*2}
Slots module

*1 10" Wide is available with only Standard Box. *2 PCI / PCIe is supported for only Advanced Box.

A new Experience for Operators and Production Managers

High-performance with the latest CPU and Innovative display for smart manufacturing. To run securely, on most demanding industrial environments.

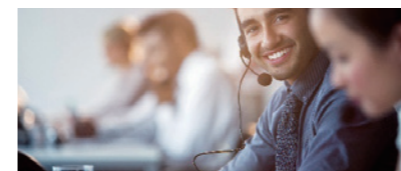
Standard mode Glove mode Water Detection mode

Quickly change display type for operators situation with configuration.



A new Experience for Maintenance Specialists

Smart maintenance to reduce downtime and improve productivity. Long Term Peace of Mind thanks to long availability, global support and training.



Quick Response



Special Support



Quick Deliver

For more information



| | | Advanced | | | Standard | Basic | |
|----------------|-----------------|--|------------------------|--------------------------------------|--|------------------------|------------------------|
| | | PFXP67 xxxxxxxxxxxx | PFXP65 xxxxxxxxxxxx | PFXP6C xxxxxxxxxxxx | PFXP63 xxxxxxxxxxxx | PFXP6DxB0NA xxxxxxx | PFXP6AxB0NA xxxxxxx |
| Model No | | | | | | | |
| CPU | | Core i7 | Core i5 | Celeron | Core i3 | Atom | |
| Core | | 4 | | 2 | | 4 | 2 |
| DIM | | 8 - 32GB | | 4 - 16GB | 8 - 32GB | 8 GB | 4GB |
| Supported OS | | Windows10 IoT Enterprise 2019 LTSC (64bit) or Windows10 IoT Enterprise 2021 LTSC (64bit) | | | Windows10 IoT Enterprise 2021 LTSC (64bit) | | |
| Storage | | M.2 SSD × 1 2.5" HDD / SSD × 2 | | M.2 SSD × 1 *1 2.5" HDD / SSD × 1 | M.2 SSD × 2 *2 SD card × 1 | | |
| Interface | COM | RS-232C × 1 Connector: D-Sub 9-pin (plug) | | | RS-232C/422/485 × 2 Connector: D-Sub 9-pin (plug) | | |
| | Ethernet | IEEE1588, 10 BASE-T/ 100 BASE-TX/ 1000BASE-T, Wake-on-LAN (WOL) supported Connector: Modular jack (RJ-45) × 2 | | | | | |
| | USB Type A | USB 3.0 (Type A) × 2, USB 2.0 (Type A) × 2 | | | USB 3.1 Gen1 (Type A) × 2 | | |
| | USB Type C | USB 3.0 (Type C) × 1 | | | USB 3.1 Gen1 (Type C) × 1 | | |
| | DisplayPort | Version: V 1.2, dual mode (DP++) supported Resolution: Up to 4,096 x 2,304 pixels at 60 Hz | | | | | |
| | Option I/F | 2 slots (Slot-in) | | | 1 slot (Slot-in) | | |
| | SD card | - | | | SD card slot (storage) × 1, SDXC UHS-I supported | | |
| | Expansion Slots | PCI × 1 + PCIe × 1 / PCIe × 2 / PCI × 2 | | | - | | |
| Input voltage | | AC: 100 to 240 Vac DC: 24 Vdc | | | 12 to 24 Vdc | | |
| Structure | | IP66F, IP67F, UL 50/50E, Type 1, Type 4X (indoor use only), Type 13 | | | | | |
| Certifications | | CE, UKCA, cULus, cULus Class 1 Division 2, RCM, KC, EAC, ATEX / IECEx, DNV-GL, RoHS, WEEE * Please check the webpage for the latest certification | | | | | |

*1 will be supported later *2 When installing the second M.2 SSD, the interface option cannot be installed except for the M.2 WiFi/Bluetooth module.

Choose a display to suit your needs

| Size | 12" | 15" | 10" W* | 12" W | 15" W | 19" W | 22" W |
|--------------------------|---|-----|---|-------|------------------|-----------------------|-------|
| Resolution | XGA 1024 x 768 | | WXGA 1280 x 800 | | FWXGA 1366 x 768 | Full HD 1,980 x 1,080 | |
| Display colors | 16 million colors | | | | | | |
| Touch Panel | Resistive Multi-touch 2 points | | Capacitive Multi-touch 2 points with optimized noise filter | | | | |
| Touch Mode configuration | Not applicable, because of resistive analog touch panel | | Yes Standard mode, Glove mode, Water detection mode | | | | |
| Front USB | USB Type A × 1 | | - | | | | |

* 10" wide is not supported for advanced Box.



Flexible configuration

From a rich modular catalog, it is easy to change modules to be flexible to meet various needs. It is easy to find your favorite configuration and helps reduce design work hours.

PS6000 Product Configurator



Advanced HMI

The Power of Expandability

The Pro-face Advanced HMI is a high-performance HMI device designed to meet a wide range of industrial automation needs. It offers a variety of displays and boxes to suit different environments and applications. With its emphasis on expandability, the Advanced HMI provides flexibility for future system upgrades and customization. This makes it a versatile and adaptable solution for diverse industrial settings.





Advanced (Modular HMI)



SP5000 Series **GP-Pro EX**

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.

| Size | 19" Wide | 15" Wide | 15" | 12" | 12" Wide | 10" | 10" Wide | 7" Wide |
|------|----------|----------|-----|-----|----------|-------|----------|---------|
| I/F | COM | LAN | USB | SD | CFast | DVI-D | | |

Performance



Advanced (Outdoor HMI)



SP5000X Series **GP-Pro EX**

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

SP5000X 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.

| Size | 15" Wide | 12" Wide | 7" Wide | |
|------|----------|----------|---------|----|
| I/F | COM | LAN | USB | SD |

Extreme



Module Configuration

SP5000's module structure makes it easy to change display size according to customer demands. No configuration changes to the project file are required, and display boxes can be easily converted. Premium Display also supports automatic screen scaling.



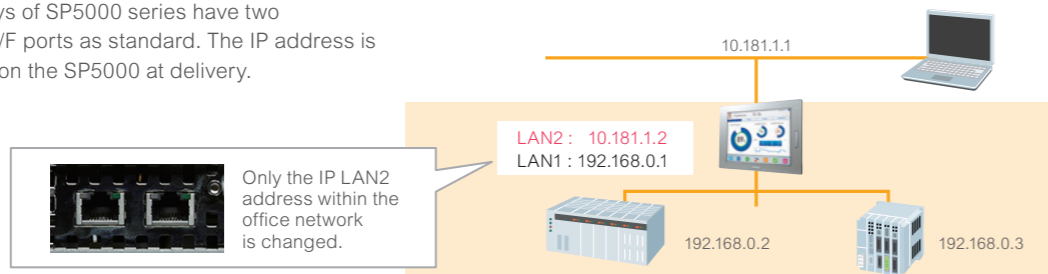
Improve Maintenance efficiency

Modular construction and storage mounts included for the main unit make maintenance easy to perform with SP5000 in a short amount of time. For example, by replacing the display unit alone or just the box, you can eliminate the costs for spare parts.

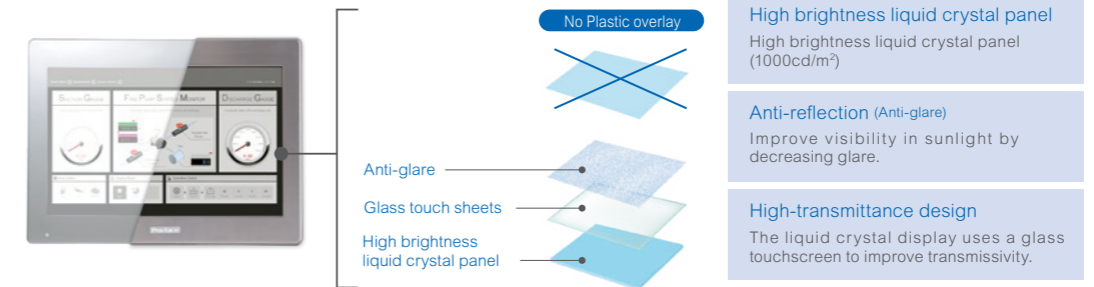


Network segmentation

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



Sunlight Readable



Robustness

UV Protection

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



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.



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.



Dust and waterproof

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

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

* 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.

SP5000 Lineup / Specification



For more information



| Display Modules | Premium Display | | | | | Advanced Display | | | | |
|-------------------|---|---------------|---|---------------|---------------|-------------------------|--------------------------|---------------------------|---------------|-------------------------|
| | SP-5800WC | SP-5700WC | SP-5700TP | SP-5660TP | SP-5600TP | SP-5500TP | SP-5600TA | SP-5600WA | SP-5500WA | SP-5400WA |
| Model No | PFXSP 5800WCD | PFXSP 5700WCD | PFXSP 5700TPD | PFXSP 5660TPD | PFXSP 5600TPD | PFXSP 5500TPD | PFXSP 5600TAD | PFXSP 5600WAD | PFXSP 5500WAD | PFXSP 5400WAD |
| Display Size | 19" wide | 15" wide | 15" | 12" | | 10" | 12" | 12" wide | 10" wide | 7" wide |
| Resolution | 1,366 x 768 pixels (FWXGA) | | 1,024 x 768 pixels (XGA) | | | 800 x 600 pixels (SVGA) | 1,024 x 768 pixels (XGA) | 1,280 x 800 pixels (WXGA) | | 800 x 480 pixels (WVGA) |
| Display colors | 16 million colors | | | | | 262,144 colors | | | | |
| Touch Panel Type | Projected Capacitive (5 points multi-touch) | | Resistive Film (analog, 2 points multi-touch) | | | Resistive Film (analog) | | | | |
| Front USB | Yes | | | | | No | | | | |
| Brightness Sensor | Yes | | | | | No | | | | |
| Auto Scaling | Yes | | | | | No | | | | |
| Input voltage | 12 to 24 Vdc | | | | | | | | | |
| Structure | IP65F, IP67F, Type 1 | | | | | | | | | |
| Certifications *1 | CE, UL / cUL, UKCA, UL / cUL for Haz Loc, UKEX, RCM, KC, EAC, Marie, RoHS, WEEE | | | | | | | | | |

*1 Please check the webpage for the latest certification

| Box Modules | Open Box | | Power Box | | Standard Box | |
|-------------|-------------------------|--|--|---|---|----------------------------|
| | SP-5B41 | | SP-5B10 | | SP-5B00 | |
| Model No | PFXSP5B411 / PFXSP5B412 | | PFXSP5B10 | | PFXSP5B00 | |
| Memory | Application memory | Media | CFast Card | | SD Card | |
| | | Screen Area | 64MB | | | |
| | | User Font Area | No Upper Limit | | 8MB | |
| | | Logic Program Area | None | | 132KB | |
| | Removable System | | Yes | | No | |
| | Backup memory | Screen Area | NVRAM 320KB or CFast / SD Card (storage) 5MB | | NVRAM 320KB | |
| | | Variable Area | NVRAM 64KB | | | |
| | Battery | | None*1 | | | |
| Interface | COM | RS-232C / 422 / 485 x 2 Connector: D-Sub 9-pin (plug) | | | RS-232C x 1, RS-422 / 485 x 1 Connector: D-Sub 9-pin (plug) | |
| | Ethernet | IEEE802.3i / IEEE802.3u / IEEE802.3ab, 10 BASE-T / 100 BASE-TX / 1000BASE-T, Connector: Modular jack (RJ-45) x 2 | | | | |
| | USB (Type A) | USB 2.0 (Type A) x 3 | | USB 2.0 (Type A) x 2 | | |
| | USB (mini-B) | USB 2.0 (mini-B) x 1 | | | | |
| | SD card | SD Card Slot (Storage) x 1 | | SD Card Slot (System) x 1 SD Card Slot (Storage) x 1 | | SD Card Slot (Storage) x 1 |
| | Expansion unit | - | | Fieldbus Unit x 1 (PROFIBUS / J1939 / CANopen / FLEX NETWORK) | | - |
| | Sound output | Speaker Output : 300mW or more, LINE Output : 1.4Vp-p Connector : 2-piece terminal block (AUX) x 1 | | Speaker Output : 300mW or more, LINE Output : 1.4Vp-p Connector : 2-piece terminal block (AUX) x 1 | | - |
| | AUX output | Alarm Output or Buzzer Output x 1 | | Alarm Output or Buzzer Output x 1 Rated Voltage: 24 Vdc, Rated Current: 50 mA or less Connector: 2-piece terminal block (AUX) x 1 | | - |

*1 When no power is supplied for 100 days or more, it's necessary to additionally mount this option item to retain RTC (clock data).

SP5000X Lineup / Specification



For more information



| Display Modules | SP-5790WA | SP-5690WA | SP-5490WA |
|-----------------------------|--|----------------------------------|---------------------------------|
| Model No | PFXSP5790WA / PFXSP5790WADF0H | PFXSP5690WA / PFXSP5690WADF0H | PFXSP5490WA / PFXSP5490WADF0H |
| 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 | | |
| Touch Panel Type | Resistive Film (analog) | | |
| UV Resistance | Cutoff: 99% or more (380 nm) | | |
| Surrounding 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] |
| Corrosive gases | Free of corrosive gases Harsh environment model (Model numbers ending with "FOH") : IEC/EN 60721-3-3 Class 3C3 | | |
| Dust | 0.1 mg/m3 (10-7 oz/ft3) or less (non-conductive levels) | | |
| Shock resistance | 12 to 24 Vdc | | |
| Input voltage | 12 to 24 Vdc | | |
| Structure | IP66F, IP67F, Type 4X (indoor and outdoor use), Type 12, Type13 *1 | | |
| Certifications *2 | CE, UL/cUL, UKCA, UL/cUL for Haz Loc, UKEX, RCM, KC, EAC, IECEX / ATEX, RoHS, WEEE | | |

*1 Check the model number and product version (PV) on the product label. If the product version is "PV: 01" and only with one of the following model numbers, the protection level is IP66F. Model number: PFXSP5490WAD, PFXSP5690WAD

*2 Please check the webpage for the latest certification

| Box Modules | SP-5B90 | | |
|-------------------------------|--------------------|--|-------------|
| | PFXSP5B90 | | |
| Memory (When using GP-Pro EX) | Application memory | Media | SD Card |
| | | Screen Area | 64MB |
| | | User Font Area | 8 MB |
| | | Logic Program Area | 132KB |
| | Removable System | | Yes |
| | Backup memory | Screen Area | NVRAM 320KB |
| | | Variable Area | NVRAM 64KB |
| | Battery | | None*1 |
| Interface | COM | RS-232C / 422 / 485 x 2 Connector: D-Sub 9-pin (plug) | |
| | Ethernet | IEEE802.3i / IEEE802.3u / IEEE802.3ab, 10 BASE-T / 100 BASE-TX / 1000BASE-T, Connector : Modular jack (RJ-45) x 2 | |
| | USB (Type A) | USB 2.0 (Type A) x 2 | |
| | USB (mini-B) | USB 2.0 (mini-B) x 1 | |
| | SD card | SD Card Slot (System) x 1 SD Card Slot (Storage) x 1 | |
| | Expansion unit | Fieldbus Unit x 1 (PROFIBUS / J1939 / CANopen / FLEX NETWORK) | |
| | Sound output | Speaker Output : 300mW or more, LINE Output : 1.4Vp-p Connector : 2-piece terminal block (AUX) x 1 | |
| | AUX output | Alarm Output or Buzzer Output x 1 Rated Voltage : 24 Vdc, Rated Current : 50 mA or less Connector : 2-piece terminal block (AUX) x 1 | |

*1 When no power is supplied for 100 days or more, it's necessary to additionally mount this option item to retain RTC (clock data).



Advanced (Standard HMI)



GP4000 Series *GP-Pro EX*



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.

| | | | | | |
|------|-------|-------|------|---------|----------------------------|
| Size | 12.1" | 10.4" | 7.5" | 7" Wide | 5.7" |
| I/F | COM | LAN | USB | SD | Expansion unit(Video Unit) |

Widest line-up in the Pro-face brand

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



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.



| | Standard models | | | | | | |
|--------------------------------------|---|--------------|--|--------------|-------------------------|--------------|-------------------------------|
| | GP-4601T | GP-4603T | GP-4501T | GP-4503T | GP-4401T | GP-4301T | GP-4303T |
| Model | PFXGP4601T** | PFXGP4603TAD | PFXGP4501T** | PFXGP4503TAD | PFXGP4401TAD | PFXGP4301TAD | PFXGP4303TAD(isolation model) |
| Display Size | 12.1" | | 10.4" | | 7.5" | | 5.7" |
| Rated Input Voltage | 100...240 Vac / 24Vdc | 24Vdc | 100...240 Vac / 24Vdc | 24Vdc | | 24Vdc | |
| Resolution | 800 × 600 pixels (SVGA) | | 640 × 480 pixels (VGA) | | 320 × 240 pixels (QVGA) | | |
| Display colors | 65,536 colors (No blink) / 16,384 colors (Blink) | | | | | | |
| Touch Panel Type | Resistive Film (analog) | | | | | | |
| Application Memory | 32MB | | | | 16MB | | |
| Data Backup | SRAM 320KB | | | | | | |
| Interface | RS-232C × 1, RS-422 / 485 × 1, Ethernet × 1 USB (Type A) × 1, USB (mini B) × 1, SD Card Slot × 1 | | | | | | |
| Structure | IP65F | | | | | | |
| 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) | | | | |

** : [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)

Basic HMI

Efficiency and Simplicity at Your Fingertips

Pro-face Basic HMI simplified design and essential features provide a cost-effective solution for basic requirements. Manufacturing simple machines also requires attractive aesthetics and visualization, which Pro-face Basic HMI delivers. Additionally, it caters to evolving customer requirements with features like IIoT integration and enhanced cybersecurity, ensuring your operations stay connected and secure.



Basic HMI (Standard)



ST6000 Series

BLUE

GP-Pro EX



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

| | | | | | | | | | | | |
|------|------|----------|----------|----------|---------|----------|---------|-----|-----|-----|-----|
| Wide | Size | 15" Wide | 12" Wide | 10" Wide | 7" Wide | 12" Wide | 4" Wide | I/F | COM | LAN | USB |
| 4:3 | Size | 10.4" | 5.7" | I/F | COM | LAN | USB | SD | | | |

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.

Attractive aesthetics



Manufacturing simple machines also requires attractive aesthetics and visualization. The metal frame gives the product a high-grade finish.

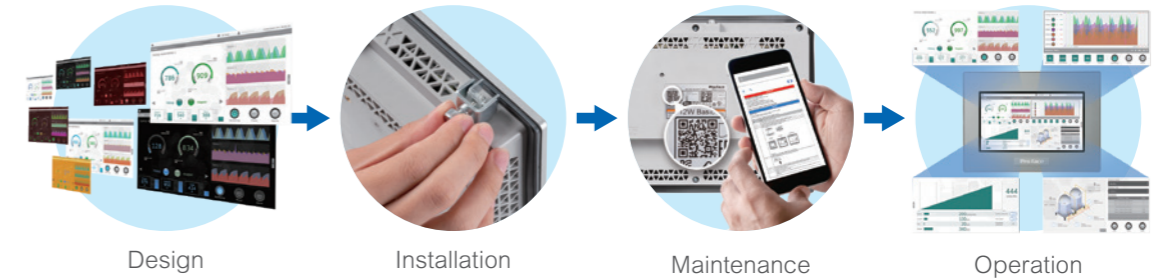
Better Graphics and Font



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

Simple & Easy

The simple design and interface help increase productivity and efficiency.



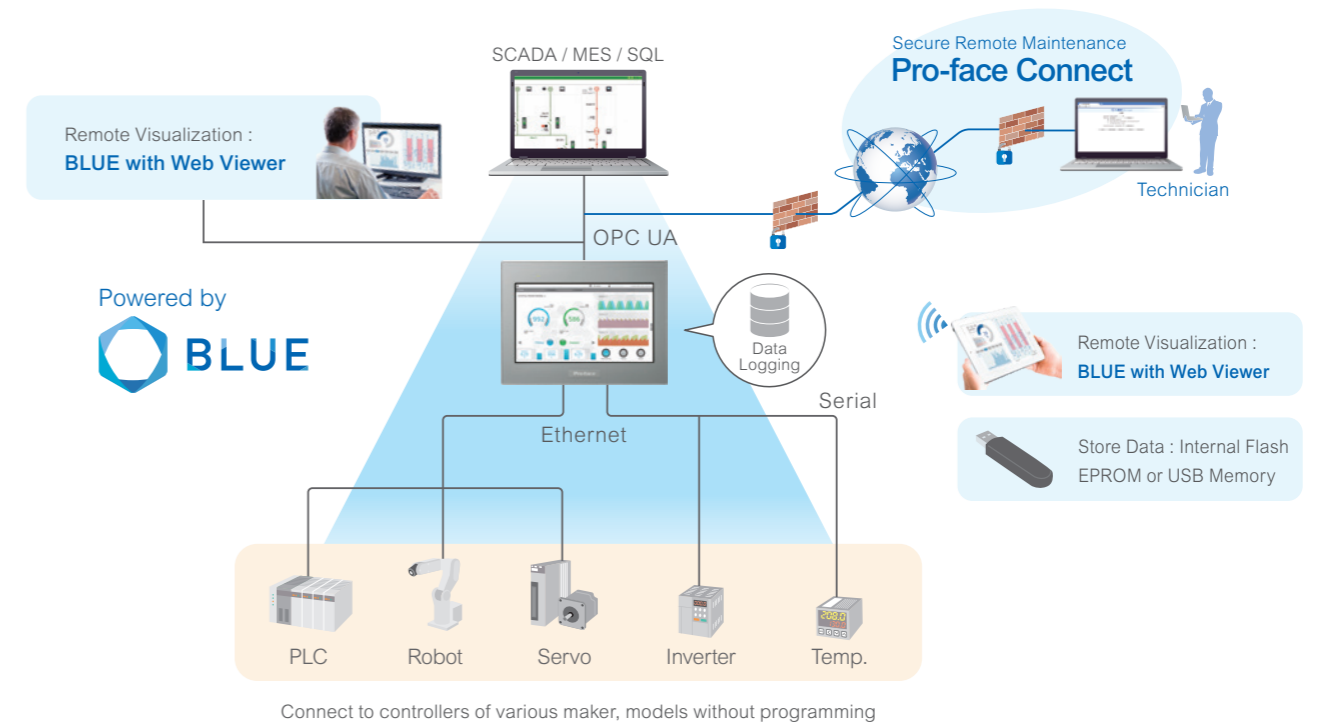
Easy Migration **GP-Pro EX**

- Panel cut-out compatibility
- Utilize the current project data because of the same software(GP-Pro EX)
- Minimum modification to install new HMI (Compatible Interface) same interface and almost the same interface location



Connected & Secured

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





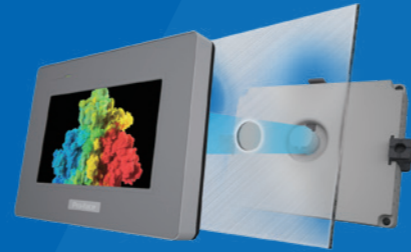
Basic HMI / 22mm Hole Mounting



STM6000 Series

BLUE

GP-Pro EX



Optimize operations and machine information.

STM6000 can also be installed easily as no tools are necessary and very fast with the unique push-button mounting system through a $\phi 22$ mm circular hole.

Installation

| | | | |
|------|---------|---------|-----|
| Size | 7" Wide | 4" Wide | |
| I/F | COM | LAN | USB |



Basic Web HMI



STW6000 Series

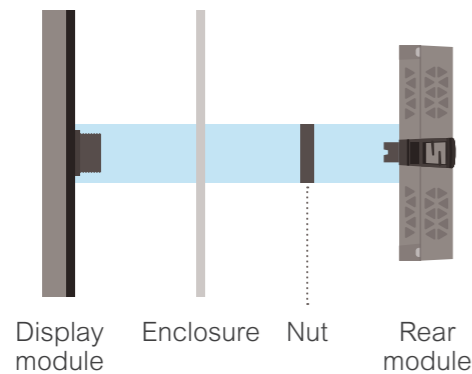
Many industrial automation devices support HTML5, which can be displayed on PCs, tablets, and smartphones. As a Web HMI, STW6000 can easily display HTML5 data from multiple devices. We are the HMI specialist, and the superior quality display, maintainability and robustness of our Web HMI meets the needs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



| | | | | | |
|------|----------|----------|----------|---------|---------|
| Size | 15" Wide | 12" Wide | 10" Wide | 7" Wide | 4" Wide |
| I/F | LAN | USB | | | |

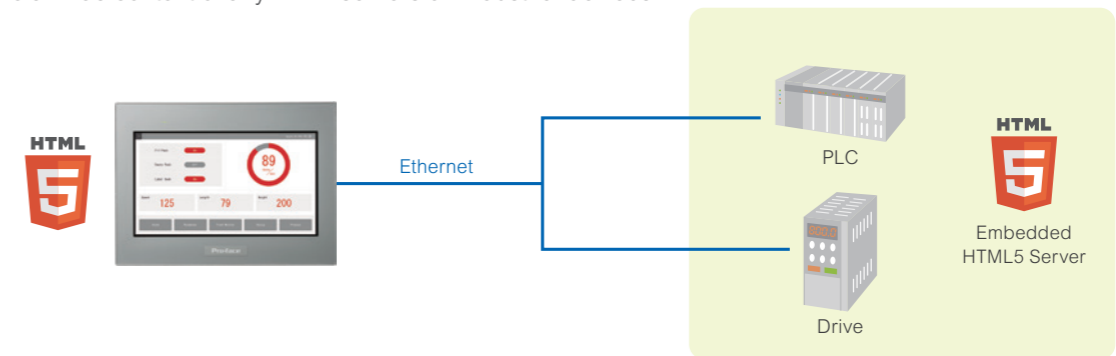
Easy & Fast Installation

The product can be installed easily as no tools are necessary and very fast with the unique push-button mounting system through a 22 mm circular hole.



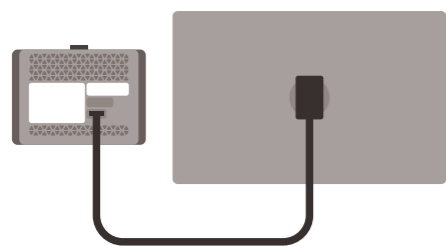
Ready to use, no application to download

The panel with HTML5 Browser function enables: Easy display of the Title bar by a swipe gesture on top of the screen for full navigation. Access to Menu for configuration of different @ of Servers and Web HMI. Visualize all web content of any HTTP servers on industrial devices.



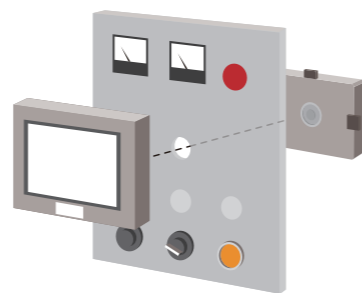
Flexible Installation

Thanks to modularity design, for specific applications (space, temperature, or vibration constraints) product can be separated with cable accessory 3m, 5m,10m to install the Display module on the panel door and the rear module on DIN rail with dock station adapter.



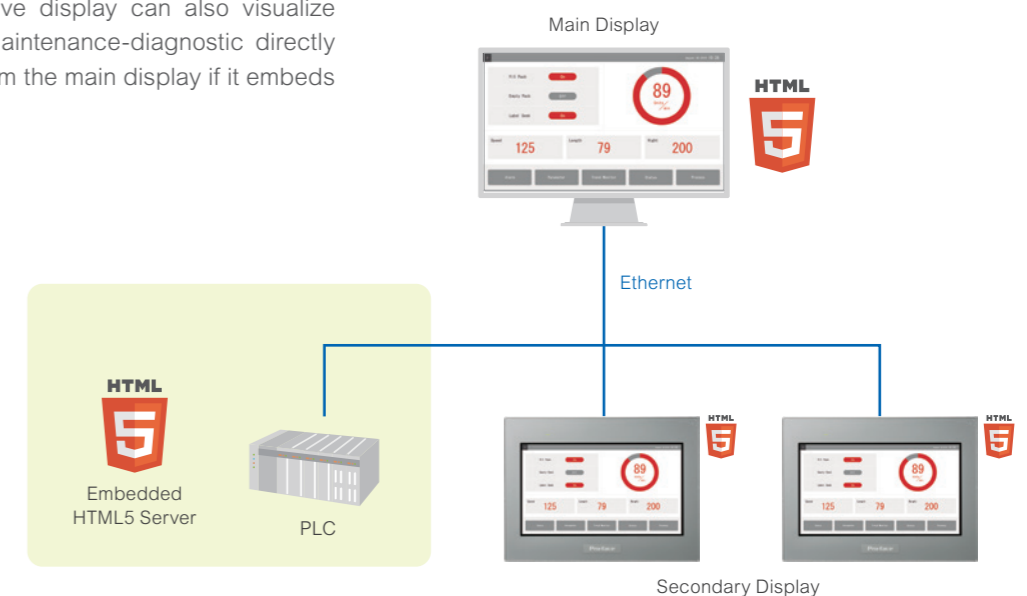
Easy Maintenance

Spare part front & rear modules are available to replace the faulty part.



Secondary Cost-effective 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.





STC6000 Series

All-in-one solution for saving space and boosting engineering efficiency

Hybrid HMI equipped with control function. Unmatched panel space-saving and engineering efficiency are achieved by combining built-in PLC functionality with an operator interface in single Software and Hardware.

Size 5.7"

I/F COM LAN USB DIO AIO EtherNet/IP



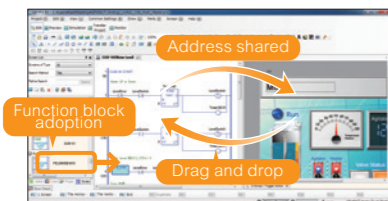
efficiency

Connect your systems effortlessly and streamline your architecture with the STC6000

Say goodbye to complex setups and hello to simplified integration. Save valuable time and resources while achieving optimal performance.

| | | | | | |
|--|--------------------|---------------------|-----------------------------|---|-------------------------------------|
| Sink / Source STC6000 Series 5.7" / VGA 262K colors | Built-in I/O | DIO | Inputs : 16 Outputs : 16 | High-Speed Counter / Pulse Catch Input •Single phase (4-point) •2 phase (1-point or 2-point) | Pulse / PWM Output 4-point |
| | Rear mounting | TM3 | | TM3(Max 2 units) | |
| | Extension mounting | TM3 | | Max.5m Transmitter(TM3XTRA1) Receiver(TM3XREC1) | TM3(Max 8 units) |
| | EtherNet/IP | EtherNet/IP Scanner | | TM3BC (Max 32 adapters) | 3rd Party Devices (Max 32 adapters) |

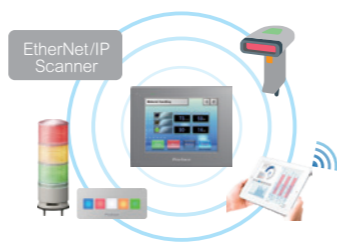
Simple & Easy



Engineering Time Saver

Screens and logic programs can be edited with the same software, and the same addresses or user-defined control symbols can be shared for screen parts and logic elements with drag-and-drop operation.

Connected & Secured

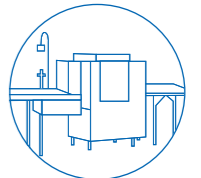
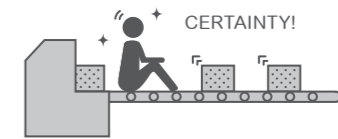
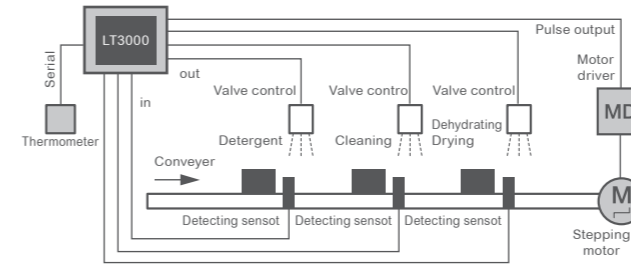


The Power of Expandability

High connectivity with rich interfaces and user-friendly protocols allowing you to connect various devices with ease. Strong support for OT – IT integration and remote maintenance.

65 kHz Pulse Output (Standard feature)

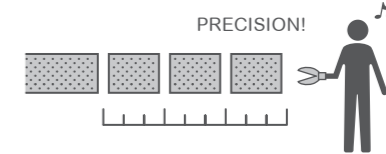
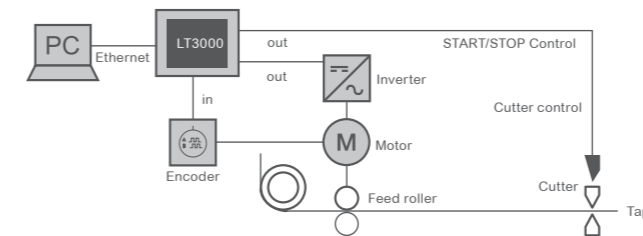
Control the speed of a conveyor with a stepping motor. Connect directly to a temperature controller using serial communication to eliminate the need for a PLC.



Cleaning machine

100 kHz High-Speed Counter (Standard feature)

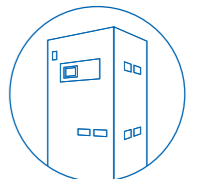
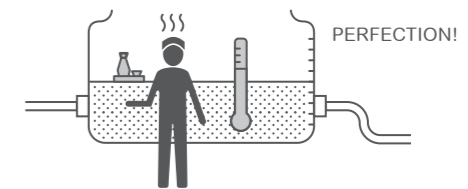
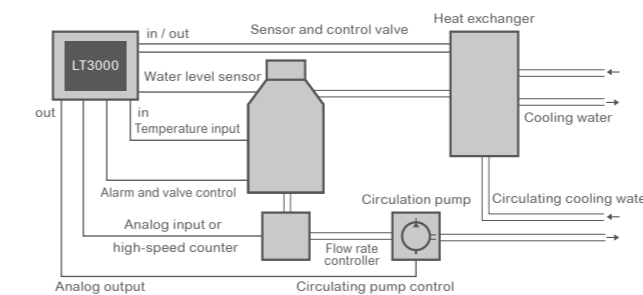
Control an inverter by entering positional information with an encoder. Gather real-time production information and control with precision.



Packing machine

Analog Input / Output (EX Module)

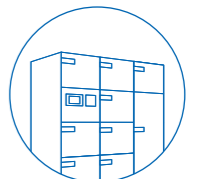
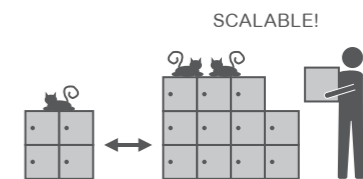
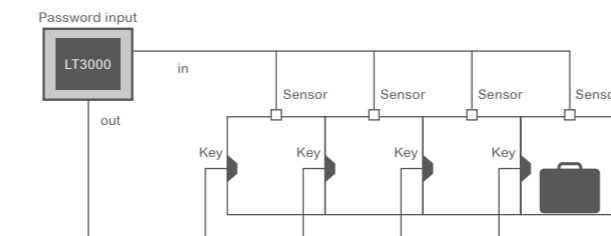
Control the flow to a tank or its temperature with analog I/O and temperature inputs. Even with reduced space, interactive operation is improved with the touch panel.



Coolant Circulator

DIO Expansion Module (EX Module)

Expansion modules enable adding I/O as the number of lockers increases. Of course, with password keys you can lock and unlock lockers.



Delivery lockers



Basic HMI + Control / 22mm Hole Mounting



LT4000M Series **GP-Pro EX**

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.

| | | | | | | |
|------|------|------|-----|-----|-----|---------|
| Size | 5.7" | 3.5" | | | | |
| I/F | COM | LAN | USB | DIO | AIO | CANopen |



Flexible



Compact HMI



GP4100 Series **GP-Pro EX**

Compact, but Pro-face DNA is inherited.

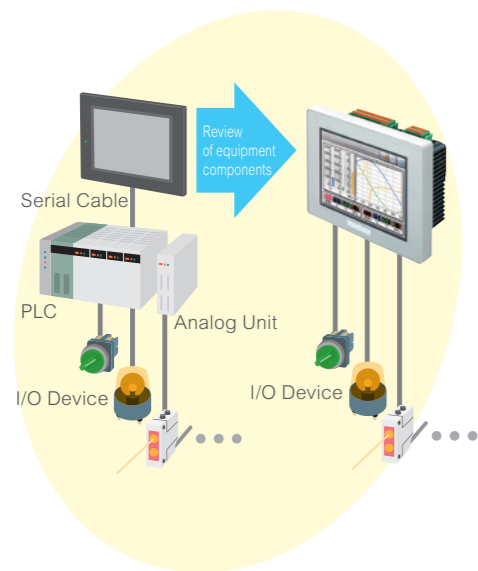
A compact HMI, GP4100 Series Color Model that has achieved high specifications, utilization of various software and high connectivity has joined the product lineup. Its display area is twice as large and its resolution is eight times as powerful as the monochrome model. Ready for the age of IoT, this compact HMI can collect data using a network and remotely monitor devices with a tablet.



Compact

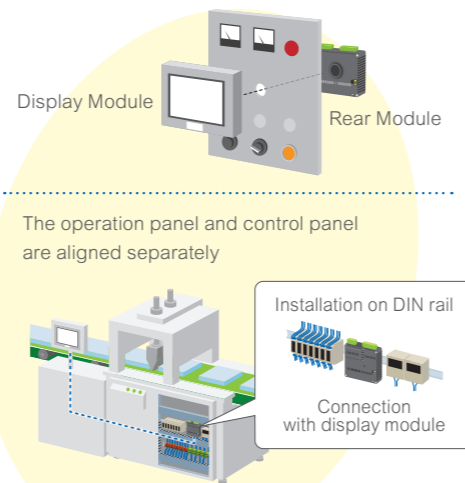
Simple design without PLC

Connectivity with a range of devices.



Easy to create control panels

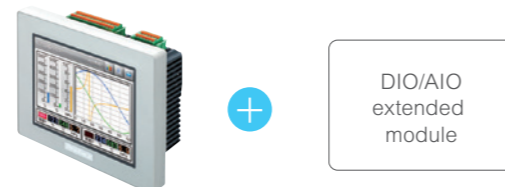
Easily retrofittable, requiring only 22φ circular mounting holes



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

Create systems with reduced wiring using remote I/O.

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

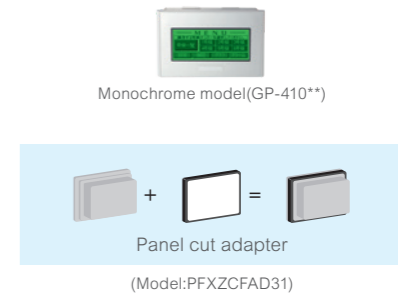


Small-sized HMI but no compromises visibility or operability

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

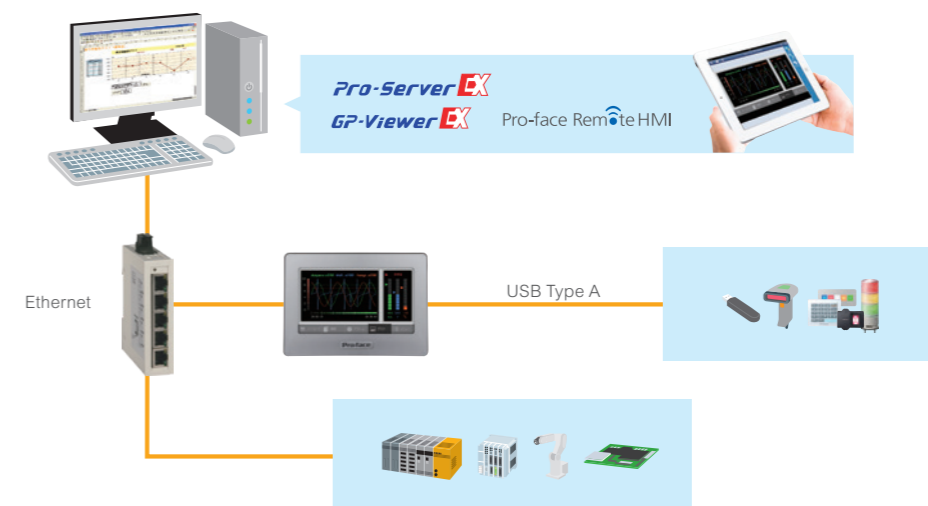
And more... **65,536** color display

Panel cut same as monochrome model



Connectivity with a range of devices

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



ST6000 Lineup / Specification



For more information



| | ST-6700WA | ST-6600WA | ST-6500WA | ST-6400WA | ST-6200WA | ST-6500T | ST-6300T | |
|--------------------------------|---|---|----------------------------|---|--|-------------------------|------------------------|---|
| Model No (Softwre : BLUE) | PFXST6700WAD | PFXST6600WAD | PFXST6500WAD | PFXST6400WAD | PFXST6200WAD | - | - | |
| Model No (Softwre : GP-Pro EX) | PFXST6700WADE | PFXST6600WADE | PFXST6500WADE | PFXST6400WADE | PFXST6200WADE | PFXST6500TADE | PFXST6300TADE | |
| Display Size | 15.6" wide | 12.1" wide | 10.1" wide | 7" wide | 4.3" wide | 10.4" | 5.7" | |
| Resolution | 1,366 x 768 pixels (FWXGA) | 1,280 x 800 pixels (WXGA) | 1,024 x 600 pixels (WSVGA) | 800 x 480 pixels (WVGA) | 480 x 272 pixels (WQVGA) | 800 x 600 pixels (SVGA) | 640 x 480 pixels (VGA) | |
| Display colors | 16 million colors | | | | | | 262,144 colors | |
| Touch Panel Type | Resistive Film (analog) | | | | | | | |
| Memory (When using BLUE) | Application memory | FLASH EPROM 128MB | | | | | - | - |
| | Removable System | No | | | | | - | - |
| | Backup memory | NVRAM 500KB | | | | | - | - |
| | Battery | Replaceable battery / Primary battery for clock data backup | | | | | - | - |
| Memory (When using GP-Pro EX) | Application memory | Media | FLASH EPROM | | | | | |
| | | Screen Area | 64MB | | | | | |
| | | User Font Area | 8 MB | | | | | |
| | | Logic Program Area | 132KB | | | | | |
| | Removable System | No | | | | | | |
| | Backup memory | Screen Area | SRAM 320KB | | | | | |
| | | Variable Area | SRAM 64KB | | | | | |
| Battery | Replaceable battery / Primary battery for clock data backup | | | | | | | |
| Interface | COM | RS-232C x 1, RS-422 / 485 x 1 Connector : D-Sub 9-pin (plug) | | RS-232C / 422 / 485x1 Connector : D-Sub 9-pin (plug) | RS-232C x 1, RS-422 / 485 x 1 Connector: D-Sub 9-pin (plug) | | | |
| | Ethernet | IEEE802.3i / IEEE802.3u, 10BASE-T / 100BASE-TX, Connector : Modular jack (RJ-45) x 2 | | IEEE802.3i / IEEE802.3u, 10BASE-T / 100BASE-TX, Connector : Modular jack (RJ-45) x 1 | IEEE802.3i / IEEE802.3u, 10BASE-T / 100BASE-TX, Connector: Modular jack (RJ-45) x 1 | | | |
| | USB (Type A) | USB 2.0 (Type A) x 1 | | | | | | |
| | USB (micro-B) | USB 2.0 (micro-B) x 1 | | | | | | |
| Input voltage | 24 Vdc | | | | | | | |
| Structure | IP65F, Type 1, Type 4X (indoor use only), Type 13 | | | | | | | |
| Certifications *1 | CE, UL and cUL, UKCA, RCM, KC, EAC, RoHS, WEEE | | | | CE, UL, cULus, cULus Class 1 Division 2, RMC, KC, EAC, EU RO MR, ClassNK, ATEX/IECEX, RoHS, WEEE | | | |

*1 Please check the webpage for the latest certification

STM6000 Lineup / Specification



For more information



| | STM-6400WA | STM-6200WA | |
|--------------------------------|---|---|-------------|
| Model No (Softwre : BLUE) | PFXST6700WAD | PFXST6600WAD | |
| Model No (Softwre : GP-Pro EX) | PFXST6700WADE | PFXST6600WADE | |
| Display Size | 7.0" wide | 4.3" wide | |
| Resolution | 800 x 480 pixels (WVGA) | 480 x 272 pixels (WQVGA) | |
| Display colors | 16 million colors | | |
| Touch Panel Type | Resistive Film (analog) | | |
| Memory (When using BLUE) | Application memory | FLASH EPROM 128MB | |
| | Removable System | No | |
| | Backup memory | NVRAM 500KB | |
| | Battery | Unreplaceable battery by the customer / Primary battery for clock data backup | |
| Memory (When using GP-Pro EX) | Application memory | Media | FLASH EPROM |
| | | Screen Area | 64MB |
| | | User Font Area | 8 MB |
| | | Logic Program Area | 132KB |
| | Removable System | No | |
| | Backup memory | Screen Area | SRAM 320KB |
| | | Variable Area | SRAM 64KB |
| Battery | Unreplaceable battery by the customer / Primary battery for clock data backup | | |
| Interface | COM | RS-232C / 422 / 485 x 1 | |
| | USB (Type A) | USB 2.0 (Type A) x 1 | |
| | USB (micro-B) | USB 2.0 (micro-B) x 1 | |
| | Ethernet | IEEE802.3i / IEEE802.3u, 10BASE-T / 100BASE-TX, Connector: Modular jack (RJ-45) x 2 | |
| Input voltage | 24 Vdc | | |
| Structure | IP65F, UL 50/50E, Type 1, Type 4X (indoor use only), Type 12, Type 13 | | |
| Certifications *1 | CE, cULus, cULus Class 1 Division 2, RCM, KC, EAC, Marine, RoHS, WEEE | | |

*1 Please check the webpage for the latest certification

STW6000 Lineup / Specification



For more information



| | STW-6700WA | STW-6600WA | STW-6500WA | STW-6400WA | STW-6200WA |
|-------------------|--|---|----------------------------|---|--------------------------|
| Model No | PFXSTW6700WAD | PFXSTW6600WAD | PFXSTW6500WAD | PFXSTW6400WAD | PFXSTW6200WAD |
| Display Size | 15.6" wide | 12.1" wide | 10.1" wide | 7" wide | 4.3" wide |
| Resolution | 1,366 x 768 pixels (FWXGA) | 1,280 x 800 pixels (WXGA) | 1,024 x 600 pixels (WSVGA) | 800 x 480 pixels (WVGA) | 480 x 272 pixels (WQVGA) |
| Display colors | 16 million colors | | | | |
| Touch Panel Type | Resistive Film (analog) | | | | |
| CPU | ARM Cortex A8 800MHz | | | | |
| Browser | Chromium Browser | | | | |
| Interface | Ethernet | IEEE802.3i / IEEE802.3u, 10BASE-T / 100BASE-TX, Connector : Modular jack (RJ-45) x 2 | | IEEE802.3i / IEEE802.3u, 10BASE-T / 100BASE-TX, Connector : Modular jack (RJ-45) x 1 | |
| | USB (Type A) | USB 2.0 (Type A) x 1 | | | |
| Input voltage | 24 Vdc | | | | |
| Structure | IP65F, Type 1, Type 4X (indoor use only), Type 13 | | | | |
| Certifications *1 | CE, CE, UL and cUL, UKCA, RCM, KC, EAC, RoHS, WEEE | | | | |

*1 Please check the webpage for the latest certification

STC6000 Lineup / Specification



For more information



| | STC-6300TA | |
|-------------------------------|--|--|
| Model No | PFXSTC6300TADDKE (Digital output sink type) / PFXSTC6300TADDCE (Digital output source type) | |
| Display Size | 5.7" | |
| Resolution | 640 x 480 (VGA) | |
| Display colors | 262,144 colors | |
| Touch Panel Type | Resistive film (analog) | |
| Memory (When using GP-Pro EX) | Application memory | FLASH EPROM |
| | Screen Area | 64MB |
| | User Font Area | 8 MB |
| | Logic Program Area | 132KB |
| | Removable System | No |
| Backup memory | Screen Area | SRAM 320KB |
| | Variable Area | SRAM 64KB |
| Battery | Replaceable battery / Primary battery for clock data backup | |
| Interface | COM | RS-232C / 422 / 485 x 1 Connector : D-Sub 9-pin (plug) |
| | USB (Type A) | USB 2.0 (Type A) x 1 |
| | USB (micro-B) | USB 2.0 (micro-B) x 1 |
| | Ethernet | IEEE802.3i / IEEE802.3u, 10BASE-T / 100BASE-TX, Connector : Modular jack (RJ-45) x 1 |
| Built-in I/O | DIO : Inputs : 16 / Outputs : 16 High-Speed Counter / Pulse Catch Input : Single phase (4-point) / 2 phase (1-point or 2-point) / Pulse / PWM Output : 4-point | |
| External I/O | Rear mounting : Modicon TM3 Module: Max 2 units / Extension mounting: Modicon TM3 Module : Max 8 units *Required Transmitter(TM3XTRA1) and Receiver(TM3XREC1) | |
| Input voltage | 24 Vdc | |
| Structure | IP65F, Type 1, Type 4X (indoor use only), Type 13 | |
| Certifications *1 | CE, UL, cULus, cULus Class 1 Division 2, RMC, KC, EAC, ATEX/IECEX, RoHS, WEEE | |

*1 Please check the webpage for the latest certification

LT4000M Lineup / Specification



For more information



| | LT-4301TM | | LT-4201TM | |
|-----------------------|--|--|--|--|
| Model | 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 | | | |
| 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 x 2 - Temperature input x 2 included) | 0 points | 4 points (Voltage / Current x 2 - Temperature input x 2 included) |
| Built-in AIO (Output) | 0 points | 2 points (Voltage / Current x 2) | 0 points | 2 points (Voltage / Current x 2) |

GP4100 Lineup / Specification



For more information

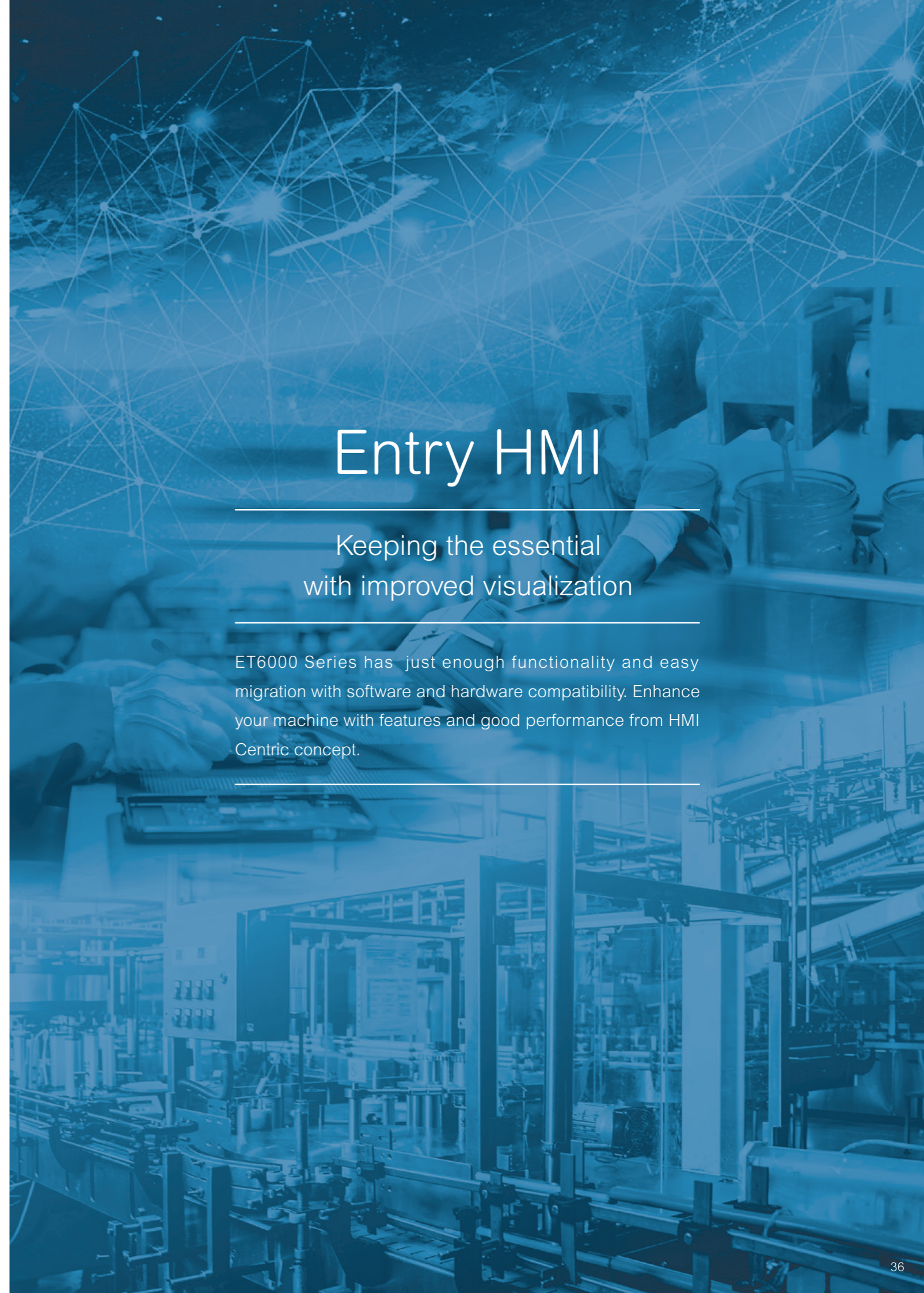


| | GP-4114T | GP-4115T | GP-4115T3 | GP-4116T |
|---------------------|--|---|--------------|---|
| Model | PFXGP4114T2D | PFXGP4115T2D | PFXGP4115T3D | PFXGP4116T2D |
| Display Size | 4.3" | | | |
| Rated Input Voltage | 12...24 Vdc | | | |
| Resolution | 480 x 272 pixels | | | |
| Touch Panel Type | 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 | | | |

Entry HMI

Keeping the essential
with improved visualization

ET6000 Series has just enough functionality and easy migration with software and hardware compatibility. Enhance your machine with features and good performance from HMI Centric concept.





Entry HMI



ET6000 Series

Enough visualization

Entry HMI is designed for specific markets and focuses on machine visualization and operability, with more limited functionality than the Basic models. Please get in touch with your local Pro-face Office to confirm availability and support in your Country.

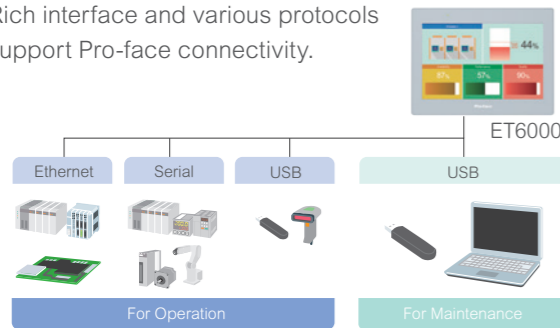


Good enough

| | | | | |
|------|----------|----------|----------|---------|
| Size | 15" Wide | 12" Wide | 10" Wide | 7" Wide |
| I/F | COM | LAN | USB | |

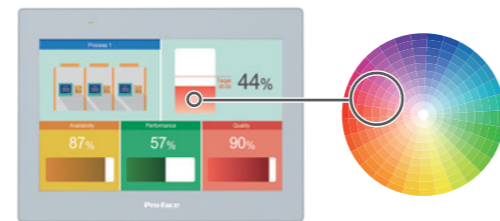
Connect with various devices

Rich interface and various protocols support Pro-face connectivity.



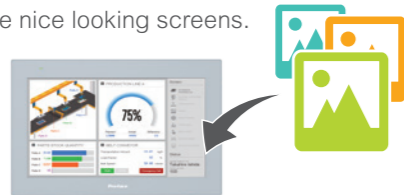
High resolution & More colors

High resolution & More colors



Best in class Visualization

Right enough memory size for more images to create nice looking screens.



Smooth Operation

15" Wide and 12" Wide make it easier machine operation because of all information at a glance.



Enhanced cyber security

Security checking at CPU level against basic intentional attacks.



Sustain in various industrial environment

Partially coated against high humidity and dust as a standard.



| Model No | PFXET6400WAD | PFXET6500WAD | PFXET6600WAD | PFXET6700WAD |
|----------------|---|--------------------------|--|--------------------------|
| Display | 7.0" Wide (800 × 480) | 10.1" Wide (1,024 × 600) | 12.1" Wide (1,280 × 800) | 15.6" Wide (1,366 × 768) |
| Touch Panel | 16 million colors White LED 16 level brightness control | | | |
| Interface | Type : resistive film (analog) / Single touch / Service life : 1,000,000 times or more | | | |
| Memory | COM1 : RS-232C, COM2 : RS-422 / 485, Ethernet : IEEE802.3i / IEEE802.3u, 10BASE-T / 100BASE-TX × 1, USB : Type A × 1, micro-B × 1 | | Application memory : 64MB Backup memory : 128KB | |
| Certifications | IP65, CE, UL, KC | | IP65, Type 4X, CE, UL, KC | |

Software

Reducing application development time and collecting data/monitoring without any programming

Pro-face software products include HMI application creation, acquisition of a range of device information, and remote control and monitoring. In addition, software suitable for your application, such as SCADA software, can be used to analyze data.





Screen editor software



Versatile Software

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

Create nice-looking HMI applications easily (HMI Design Studio)

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



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.



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.



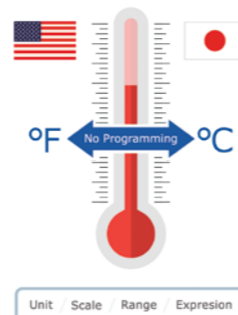
Highly flexible graph features

Using data analyzing features, such as graph comparison, 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.



Connected & Secured

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.

Remote Visualization (BLUE Web Viewer Runtime)

Remote Visualization on PC or Tablet / Smartphone with new Web View features of BLUE. See status of equipment or devices in the right place at the right time.



Pro-face connectivity

"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



Supported Model: SP5000 Series / SP5000X Series / ST6000 Series / STM6000 Series / GP4100 Series / PS6000 Series / 3rd-party PC



BLUE Line Management Lite SCADA Open Studio



Flexible software for your need

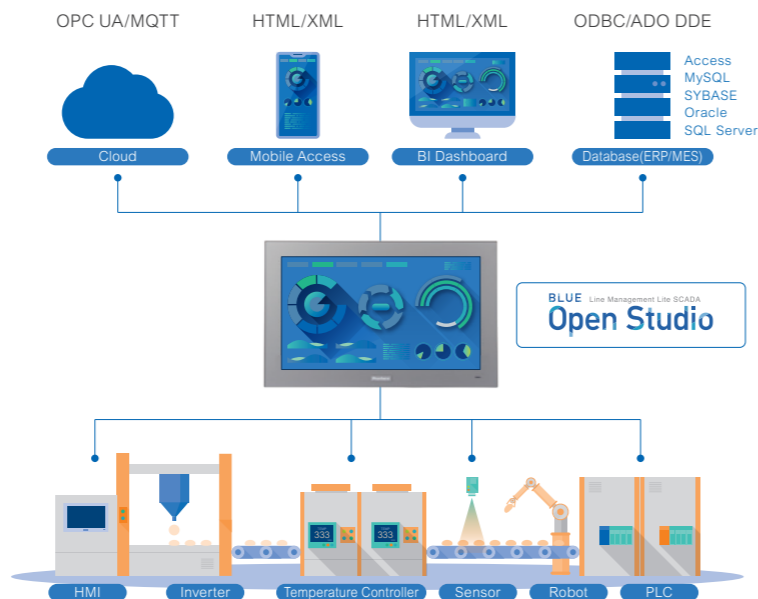
Pro-face BLUE Open Studio is a development and runtime software that incorporates various tools users need to create SCADA HMI applications, dashboards and OEE interfaces.

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.

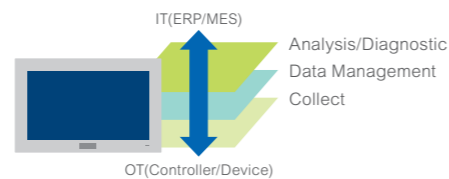


Database

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).

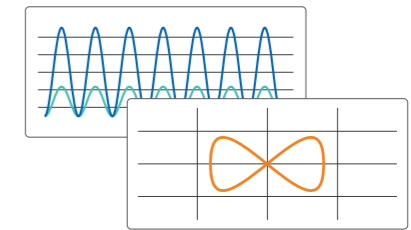
OPC

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.



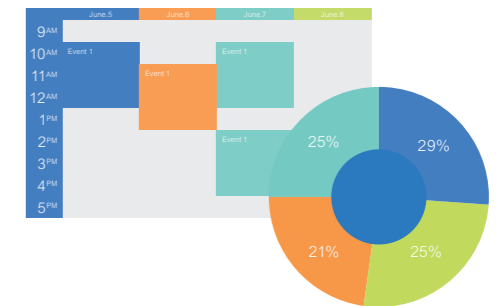
Trends

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.



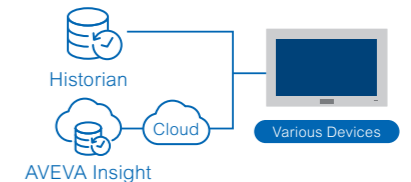
Custom Widget

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.



Historian

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



Import Wizard



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.



Supported Model: PS6000 Series / STM6000 Edge Box HMI / 3rd-party PC



Screen editor software

GP-Pro EX

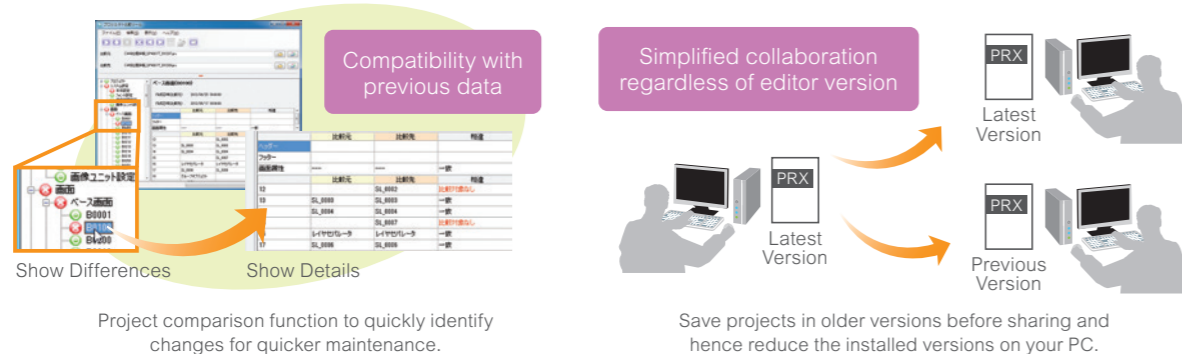
User friendly, yet powerful

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

Connect directly to a wide range of field devices

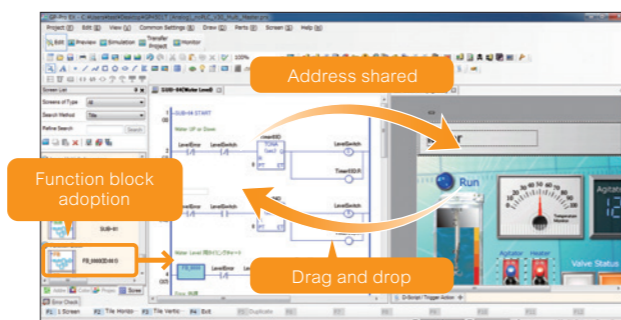
Various drivers even for special devices from various vendors including parts library that offers advanced features without programming efforts.

Leverage existing assets



User interface and soft controller editing in one software

Controller and screen addresses are applied directly via drag and drop, thus reducing the development time.



Runtime engine **WinGP** Empower your Windows based PC with projects created by GP-Pro EX

Seamless communication with control equipment

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

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.



Data management software

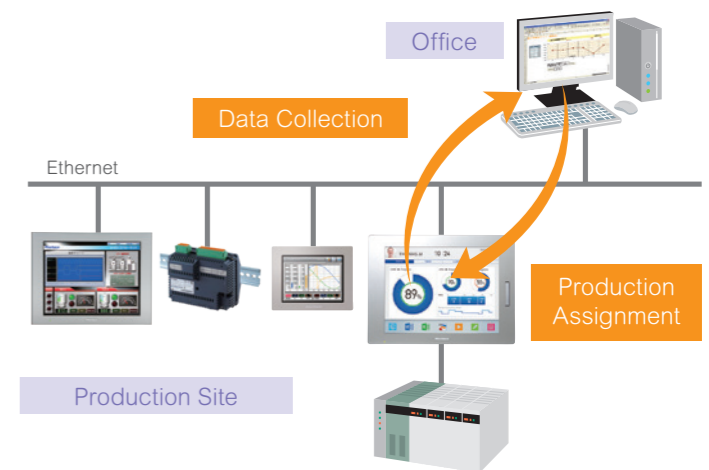
Pro-Server EX

Connect your machines to your IT environment for data sharing unlocking new insights for improvements.

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

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!



Remote Access

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.

| | | |
|--------------|--|--|
| 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.

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

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.

| Model | Description |
|--------------|-------------|
| PFXEXRHCLS | 1 License |
| PFXEXRHCLS10 | 10 Licenses |
| PFXEXRHCLS30 | 30 Licenses |

Software for remote viewing of Pro-face HMI from desktop PC (license key code)





Pro-face Connect

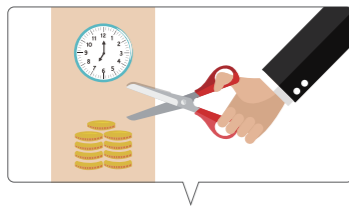
Connect and Go

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



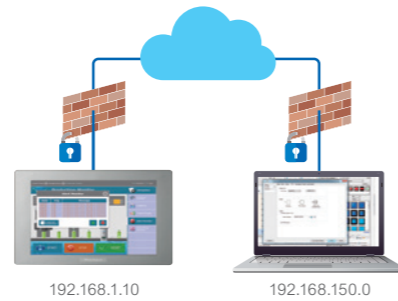
Small initial cost

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



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.



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



BLUE Software Licenses

| Product Name | Model# | Number of seats | Type of license | Supported models | | |
|-------------------------|----------------|-----------------|-----------------|---|--|--|
| BLUE Professional | PFXBLPCZLSPAZZ | 1 | Digital | ST6000 Series, STM6000 Series, GP4100 Series Color model, SP5000 Series, SP5000X Series, PS6000 Series, PS5000 Series | | |
| | PFXBLPCZLSPA31 | 3 | | | | |
| | PFXBLPCZLTPA31 | 10 | | | | |
| BLUE Basic*1 | PFXBLECZLSPAZZ | 1 | | | ST6000 Series, STM6000 Series, GP4100 Series Color model | |
| BLUE Runtime | PFXBLRCZLSPA31 | 1 | | | PS6000 Series, PS5000 Series, and PC/AT | |
| | PFXWRT001A | 1 | | | | |
| BLUE Web Viewer Runtime | PFXWRT010A | 10 | | | | ST6000 Series, STM6000 Series, SP5000 Series, SP5000X Series, PS6000 Series, PS5000 Series |
| | PFXWRT100A | 100 | | | | |

*1 Basic License doesn't support WEB API and OPC-UA. OPC-UA Server is not supported on GP4100 Series Color model

BLUE Open Studio Software Licenses / Options

License Lineup

| Product Name | Build time / Runtime | Number of Licenses | Number of Tags | Description | |
|--|----------------------|--------------------|-----------------|------------------|----------------|
| BLUE Open Studio for Supervision | Build time | 1 License | 64000 | PFXBOSBT64KA | |
| | Runtime | | | PFXBOSRT64KA | |
| BLUE Open Studio for Supervision for 3rd Party PC | Build time | | | PFXBOS3PRT64KA | |
| Upgrade License from Line Management Plus to Supervision | Runtime | | | PFXBOSUG64KBTA | |
| | Build time | | | PFXBOSUG64KRTA | |
| Upgrade License from Line Management Plus to Supervision for 3rd Party PC | Runtime | | | PFXBOS3PUG64KRTA | |
| BLUE Open Studio for Line Management Plus | Build time | | | 32000 | PFXBOSBT32KA |
| | Runtime | | | | PFXBOSRT32KA |
| BLUE Open Studio for Supervision for 3rd Party PC | Build time | | | | PFXBOS3PRT32KA |
| Upgrade License from Line Management to Line Management Plus | Runtime | | | | PFXBOSUG32KBTA |
| | Build time | PFXBOSUG32KRTA | | | |
| Upgrade from Line Management to Line Management Plus for 3rd Party PC | Runtime | PFXBOS3PUG32KRTA | | | |
| BLUE Open Studio for Line Management | Build time | 4000 | PFXBOSBT4KA | | |
| | Runtime | | PFXBOSRT4KA | | |
| BLUE Open Studio for Line Management for 3rd Party PC | Build time | | PFXBOS3PRT4KA | | |
| Upgrade License from Machine Control to Line Management | Runtime | | PFXBOSUG4KBTA | | |
| | Build time | | PFXBOSUG4KRTA | | |
| Upgrade from Machine Control to Line Management for 3rd Party PC | Runtime | | PFXBOS3PUG4KRTA | | |
| BLUE Open Studio for Machine Control | Build time | | 1500 | PFXBOSBT1KA | |
| | Runtime | | | PFXBOSRT1KA | |
| BLUE Open Studio for Machine Control for 3rd Party PC | Build time | | | PFXBOS3PRT1KA | |
| Upgrade from Basic to Machine Control | Runtime | | | PFXBOSUG1KBTA | |
| | Build time | PFXBOSUG1KRTA | | | |
| Upgrade from Basic to Machine Control for 3rd Party PC | Runtime | PFXBOS3PUG1KRTA | | | |
| BLUE Open Studio Basic | Build time | 500 | | PFXBOSBT500A | |
| | Runtime | | | PFXBOSRT500A | |
| BLUE Open Studio Basic for 3rd Party PC | Build time | | | PFXBOS3PRT500A | |
| | Runtime | | | PFXBOSRT500A | |
| | Build time | | PFXBOSTCA | | |
| | Runtime | | PFXBOSTC10WINA | | |
| | Build time | | PFXBOSTCEMBA | | |
| | Runtime | | PFXBOSTC10EMBA | | |
| Import Wizard License (PanelBuilder Import Wizard, PanelMate Import Wizard and FactoryTalk Import Wizard are included) | - | | 1 License | - | PFXBOSTKA |

Version up License

| Product Name | Build time / Runtime | Number of Licenses | Number of Tags | Description | | |
|--|----------------------|--------------------|----------------|----------------|----------------|------------------|
| Version up license for Supervision | Build time | 1 License | 64000 | PFXBOSVU64KBTA | | |
| | Runtime | | | PFXBOSVU64KRTA | | |
| Version up license for Line Management Plus | Build time | | | 32000 | PFXBOSVU32KBTA | |
| | Runtime | | | PFXBOSVU32KRTA | | |
| Version up license for Line Management | Build time | | | 4000 | PFXBOSVU4KBTA | |
| | Runtime | | | PFXBOSVU4KRTA | | |
| Version up license for Machine Control | Build time | | | 1500 | PFXBOSVU1KBTA | |
| | Runtime | | | PFXBOSVU1KRTA | | |
| Version up license for Supervision 3rd Party PC | Build time | | | - | - | PFXBOS3PVU64KRTA |
| Version up license for Line Management Plus 3rd Party PC | Runtime | | | | | PFXBOS3PVU32KRTA |
| Version up license for Line Management 3rd Party PC | Build time | PFXBOS3PVU4KRTA | | | | |
| Version up license for Machine Control 3rd Party PC | Runtime | PFXBOS3PVU1KRTA | | | | |

Options

| Product Name | Part Number |
|-------------------------------|-------------|
| BLUE Open Studio USB Hard key | PFXBOSUSBL* |

* Please purchase the license separately.

GP-Pro EX Software Licenses and Related Software

| Product Name | Commercial order reference per delivery method | | Qty licenses | Supported models |
|--|--|-------------------------|-----------------------|--|
| | EMAIL License | Others | | |
| GP-Pro EX editor license for Screen and PLC project | PFEXEDLS40A | | 1 license | GP-Pro EX editor license to create HMI and PLC project in a highly intuitive environment |
| | PFEXGRPLS4010A | | 1 license for 10 PCs | |
| | PFEXGRPLS4025A | | 1 license for 25 PCs | |
| | - | | 1 license for 50 PCs | |
| Pro-Server EX V*. * Developer* ¹ | PFEXSDW13A | | 1 license | Software that connects a PC to HMI via Ethernet and collects and transmits data (DVD) |
| Pro-Server EX Developer License* ² | PFEXSDLSA | | | Pro-Server EX developer license (license key code) |
| Pro-Server EX Runtime License* ³ | PFEXSRLSA | | | Pro-Server EX Runtime License (license key code) |
| MES Action License | PFEXMSLSV10A | | | License key permitting Pro-Server EX to access a database (license key code) |
| GP-Viewer EX* ⁴ | PFEXVWA PFEXVWLS10A PFEXVWLS30A | | | 1 license for 10 PCs 1 license for 30 PCs |
| Pro-face Remote HMI Client | PFEXRHCLSA | Download from App Store | 1 license | Access the HMI or WinGP from a PC in remote mode for operation. Special features like system overview with alarm indication supports unmatched operation efficiency. |
| | PFEXRHCLS10A | | | |
| | PFEXRHCLS30A | | | |
| Pro-face Remote HMI Server* ⁴ | PFEXRHLSA | | 1 license | Enables connectivity for a Windows PC to Pro-face Remote HMI Clients to view and operate the Windows Desktop or selected software |
| Video Converter License* ⁴ | - | | | License for the file conversion tool required to display video on HMI and PC (license key code) |
| RPA Client License (Ver 4.09.400 or later is not supported.) | PFEXRPA | | 1 licenses for 10 PCs | License to access a PC on the network in remote mode (license key code) |
| | PFEXRPLS10A | | | |
| WinGP for IPC* ⁴ | PFEXWGIPA | | 1 license | License for using WinGP on WinGP-compatible IPC (license key code) |
| WinGP for PC/AT* ⁴ | - | PFEXWGPC | 1 license | License for using WinGP on PC/AT-compatible PC (USB dongle) |

*1 Includes the settings editor and Runtime.

*2 Purchase this product when installing the settings editor and Runtime in a second or subsequent PC.

*3 Purchase this license when installing Runtime only in a second or subsequent PC. One license is required for each PC.

*4 This application can be installed from GP-Pro EX DVD-ROM, only the license needs to be purchased.

Pro-face Connect Licenses

| Product Name | Model No. | Description |
|---|---------------|---|
| Pro-face Connect 30 days Free Trial | PFXCONFREE30 | Trial package running 30 days and including: |
| | | 1x Pro-face Connect GateManager License |
| | | 1x Pro-face Connect SiteManager Embedded Extended License, 5 device agents |
| | | 1x Pro-face Connect LinkManager License (floating license) |
| Basic Packs | PFXCONPACKESS | 1x Pro-face Connect LinkManager Mobile License |
| | | 1x GateManager Customer Domain |
| | | 1x LinkManager Floating License |
| | | 1x LinkManager Mobile License |
| | PFXCONPACKENT | 1x SiteManager Extended 5 (Annual) |
| | | 1x GateManager Customer Domain |
| | | 1x LinkManager Floating License |
| | | 1x LinkManager Mobile License |
| Pro-face Connect / LinkManager License | PFXCONLINK1 | 1x Pro-face Connect LinkManager License |
| Pro-face Connect / LinkManager Mobile License | PFXCONLINKM1 | 1x Pro-face Connect LinkManager Mobile License |
| Pro-face Connect / SiteManager Basic License | PFXCONSMBSCL | 5x Pro-face Connect SiteManager Embedded Basic License |
| Pro-face Connect / SiteManager Extended 5 Licenses | PFXCONEXTD5 | 1x Pro-face Connect SiteManager Embedded EXTENDED license, 5 device agents |
| Pro-face Connect / SiteManager Extended 10 Licenses | PFXCONEXTD10 | 1x Pro-face Connect SiteManager Embedded EXTENDED license, 10 device agents |
| Pro-face Connect / GateManager Premium Access * | PFXCONGMPREM | 1x GateManager Premium Access, Add-on option for Pro-face Connect |
| | | Essential Pack license (PFXCONPACKESS) |
| User Statistics * | PFXCONSTAT | Add-on option for Pro-face Connect |
| | | Essential Pack license (PFXCONPACKESS) or Pro-face Connect |
| | | Enterprise Pack (PFXCONPACKENT) |

* Not available in all areas, please contact your local office.



Web service

HMI Design Studio

Begin a new user experience with Pro-face HMI

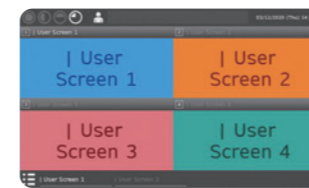
HMI Design Studio is a creative yet easy-to-use website that helps you and your team to create HMI Applications



Template / Objects

Download various ready-made template screens and parts. You can import those into your BLUE and Blue Open Studio project files.

Intuitive layout template



BLUE

Alarm Control



BLUE Open Studio

Icons



GP-Pro EX NEW

Dock Panel (Bottom)



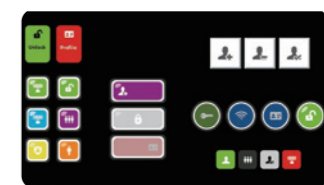
BLUE

Database



BLUE Open Studio

Various switches



GP-Pro EX

Images

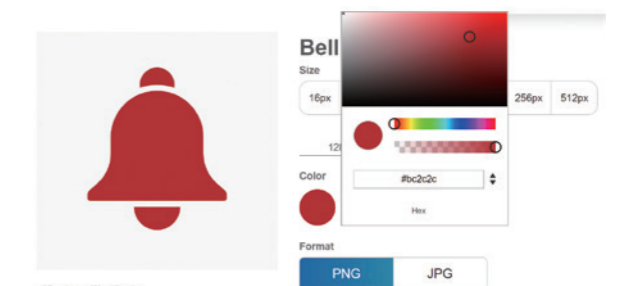
Download various industrial "Royalty-free" image files (*.png)



BLUE BLUE Open Studio GP-Pro EX

Customizable Icons

Generate various icons according to your preference



BLUE BLUE Open Studio GP-Pro EX



Flat Panel Monitor

FP6000 Series

Improve your machine's operativity

Pro-face Flat Panel Monitors are industrial PC monitors with a touch panel mounted and offered solutions for difficult installation due to a harsh production-work site environment or limitation of space.

| | | | | | | | |
|------|---------------|----------|----------|-----|----------|-----|----------|
| Size | 22" Wide | 19" Wide | 15" Wide | 15" | 12" Wide | 12" | 10" Wide |
| I/F | DVI-D(Max 5m) | | | | | | |



visibility



USB Solution

EZ Series

Easily connect to HMI with USB solutions

EZ Series is a USB device that can connect to HMI by a USB cable. The equipment around the operating panel can be installed with no program and less-wiring.



Fits the most suitable place for machine operation by installing separately.

Industrial Flat Panel Monitors




DVI (video) USB (touch) : 5 M

BOX PC





Improve operation efficiency with a secondary display.

Industrial Flat Panel Monitors



DVI (video) USB (touch) : 5 M

Panel PC




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: 22 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: 22 circular mounting hole



Adding second LAN port with independent IP address

EZ LAN Adapter

Model : PFXZCGEUE1

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



| Model | Display Size | Resolution | Touch Panel Type | Touch Mode Configuration | Front USB |
|--------------|--------------|------------------------|--|---|-------------------|
| PFXFP6900WCD | 22" Wide | Full HD(1,920 × 1,080) | Capacitive Multi-touch with optimized noise filter | Yes -Standard mode -Glove mode -Water detection mode | - |
| PFXFP6800WCD | 19" Wide | | | | |
| PFXFP6700WCD | 15" Wide | | | | |
| PFXFP6600WCD | 12" Wide | | | | |
| PFXFP6500WCD | 10" Wide | | | | |
| PFXFP6700TMD | 15" | XGA(1,024 × 768) | Resistive multi-touch | Not applicable, because of a resistive analog touch panel | USB(Type A) × 1*1 |
| PFXFP6600TMD | 12" | | | | |

*1 By default, the USB is disabled

Pro-faceTM

by **Schneider** Electric

[proface.com](https://www.proface.com)

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<https://www.proface.com/en>

Contact Us (Worldwide Pro-face)
<https://www.proface.com/en/contact>

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