

Product Guide

2017

Corporate and Product Information



for the best interface 

Smart Portal

Touch HMI

Touch PLC

Industrial PC / Flat Panel Display

Software

Pro-face

by **Schneider** Electric

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BLUE Line Management Lite SCADA Open Studio

SMART PORTAL SP5000



Connecting information and people for optimal communication

Valuable information
in the right format



Having more information is not necessarily better than having less. Value is created when the right information reaches the right people in the right format.

Bring your factory
closer to your office



By segmenting the network, SMART PORTAL makes it possible to connect factories and offices while ensuring the highest security.

Simple to use
—any time, any place



Overseas production and the diversification of market needs have increased the need for efficient machine setup and maintenance.

Check out our Movies.

www.proface.eu/product/smart_portal/sp5000.html



Smart Portal Multi-Driver

The SP5000 links the HMI and IPC worlds. Display size from 19" to 7"



SP-5800WC

- 16 million colors TFT
- 1,366 × 768 pixels (FWXGA)
- P-CAP 5 point multi touch
- Auto Scaling
- Hardened glass front
- W483 x H337 x D69 mm
[W19.02 x H13.27 x D2.72 in.]

Brightness Sensor
USB (Host) USB (Device)
12-24 VDC

SP-5700WC

- 16 million colors TFT
- 1,366 × 768 pixels (FWXGA)
- P-CAP 5 point multi touch
- Auto Scaling
- Hardened glass front
- W414 x H295 x D69 mm
[W16.30 x H11.61 x D2.64 in.]

Brightness Sensor
USB (Host) USB (Device)
12-24 VDC

SP-5600WA

- 262,144 colors TFT
- 1,280 × 800 pixels (WXGA)
- Resistive Film (analog)
- Color Variation
- W308.5 x H230.5 x D67 mm
[W12.15 x H9.07 x D2.64 in.]

Brightness Sensor
USB (Host) USB (Device)
12-24 VDC

SP-5500WA

- 262,144 colors TFT
- 1,280 × 800 pixels (WXGA)
- Resistive Film (analog)
- Color Variation
- W308.5 x H230.5 x D67 mm
[W12.15 x H9.07 x D2.64 in.]

Brightness Sensor
USB (Host) USB (Device)
12-24 VDC

SP-5400WA

- 262,144 colors TFT
- 800 × 480 pixels (WVGA)
- Resistive Film (analog)
- Color Variation
- W203.6 x H148.6 x D36 mm
[W8.02 x H5.85 x D1.42 in.]

Brightness Sensor
USB (Host) USB (Device)
12-24 VDC



SP-5700TP

- 16 million colors TFT
- 1,024 × 768 pixels (XGA)
- Resistive Film (analog, multi-touch)
- Auto Scaling
- Color Variation
- W397 x H296 x D67 mm
[W15.63 x H11.65 x D2.72 in.]

Brightness Sensor
USB (Host) USB (Device)
12-24 VDC

SP-5600TP

- 16 million colors TFT
- 1,024 × 768 pixels (XGA)
- Resistive Film (analog, multi-touch)
- Auto Scaling
- Color Variation
- W315 x H241 x D67 mm
[W12.4 x H9.49 x D2.64 in.]

Brightness Sensor
USB (Host) USB (Device)
12-24 VDC

SP-5660TP

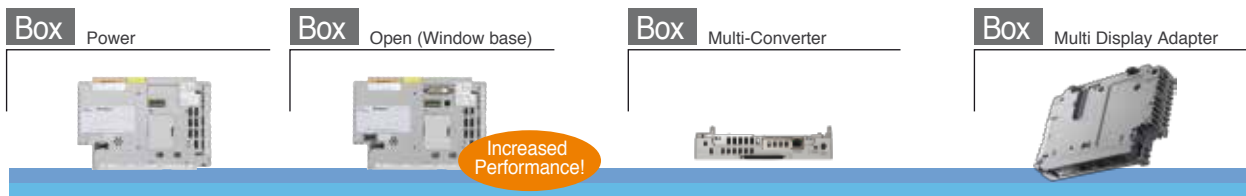
- 16 million colors TFT
- 1,024 × 768 pixels (XGA)
- Resistive Film (analog, multi-touch)
- WLAN
- Auto Scaling
- Color Variation
- W315 x H241 x D67 mm
[W12.4 x H9.49 x D2.64 in.]

Brightness Sensor
WLAN Access Point/Station
USB (Host) USB (Device)
12-24 VDC

SP-5500TP

- 16 million colors TFT
- 800 × 600 pixels (SVGA)
- Resistive Film (analog, multi-touch)
- Auto Scaling
- Color Variation
- W272.5 x H214.5 x D67 mm
[W10.73 x H8.44 x D2.64 in.]

Brightness Sensor
USB (Host) USB (Device)
12-24 VDC



SP-5B10

- Data Backup 320 KB
- Application 64MB (Screen Size)
- Built-in Control Program

Ethernet 2ch
COM 2 ch
AUX 1ch DVI-D 1ch
Audio Input 1ch
USB (Host) 2ch USB (Device) 1ch
DC

SP-5B41

- Data Backup 320 KB
- Application 64MB (Screen Size)
- Application approx. 17GB (Free Space)

Ethernet 2ch
COM 2 ch
AUX 1ch DVI-D 1ch
Audio Input 1ch
USB (Host) 3ch USB (Device) 1ch
DC

PFXZCDADEXP1

- Use box without display
- Open box only

Ethernet 1ch
Din Rail mounting
12-24 VDC

PFXZCDADEXR1

- Up to 100m distance
- Up to 4 displays simultaneous (beginning of 2018)
- Open box only

Ethernet 2ch
DIO interface
DHCP

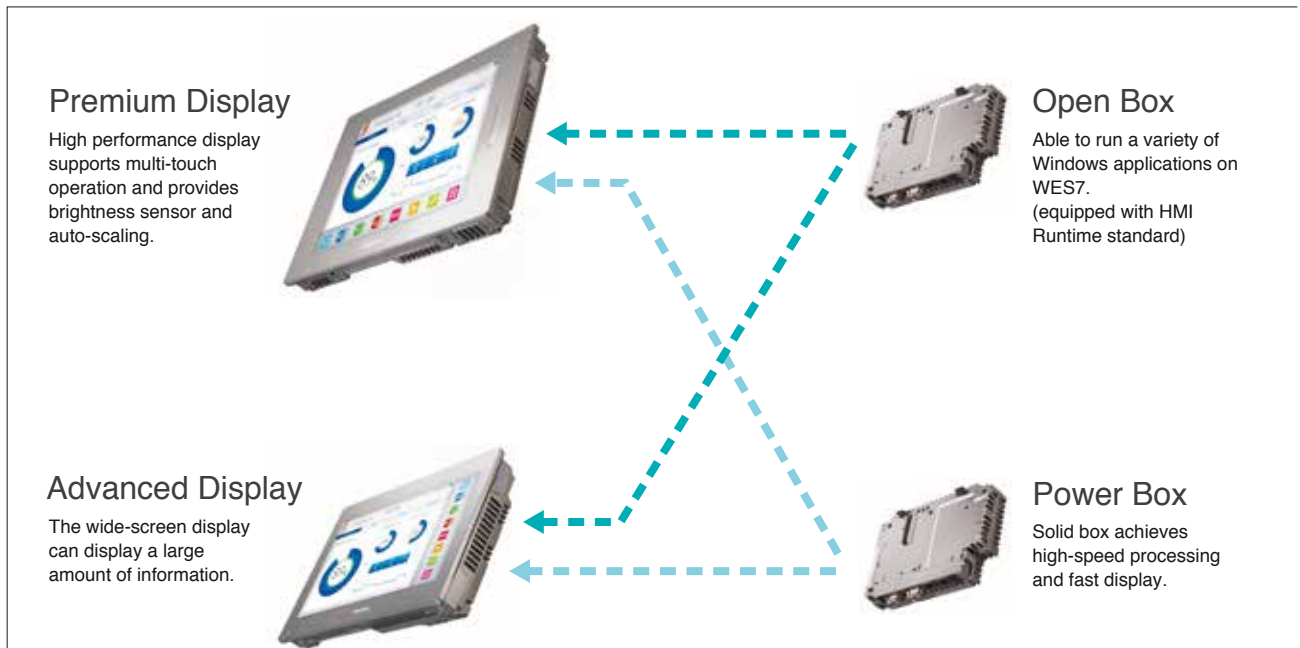
For more information, visit our website.

www.proface.eu/product/smart_portal/sp5000.html

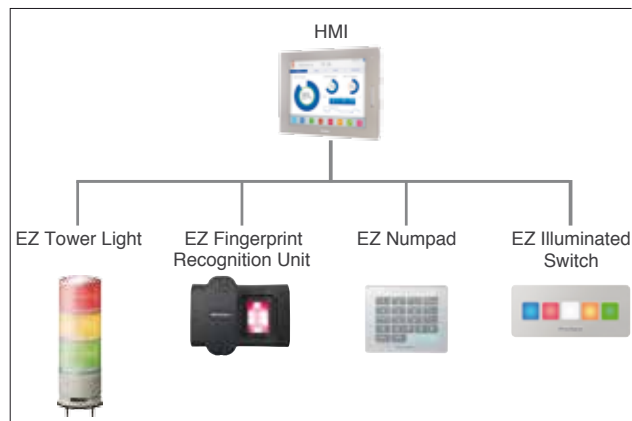


Display + Box module design provides flexible functionality and size

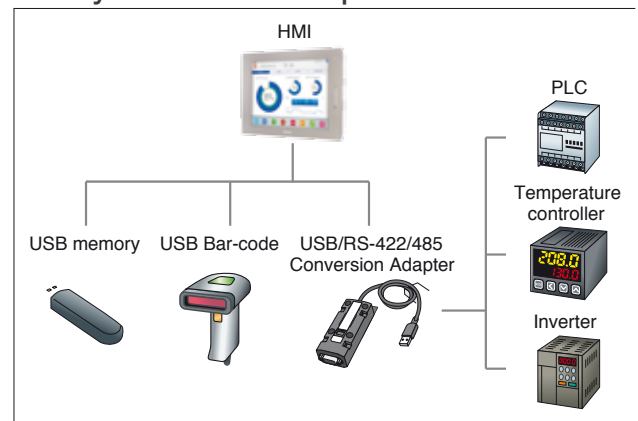
17 Combinations



Pro-face EZ Series USB devices



Easily connect multiple USB devices



Customization

- Bezel: Silver, Black
- Front USB port covered by overlay

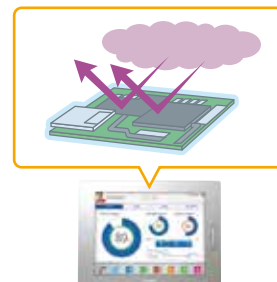
Better design suits your machine.
Select from black, white, beige or standard silver.



Customize overlays with original colors and logos.

Coating extends product lifetime.

Coat PCBAs to extend product lifetime even in an environment with corrosive gas.



(Except already shipped products)



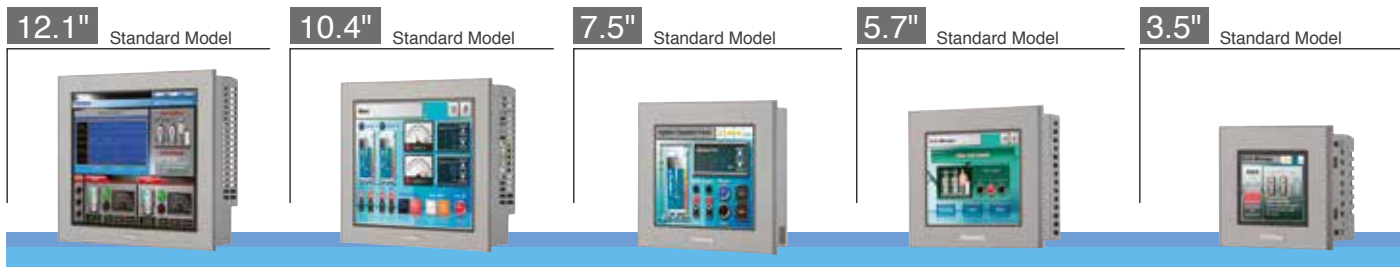
For more information, visit our website.

www.proface.eu/product/smart_portal/sp5000.html



Touch HMI Multi-Driver

The GP4000 Series brings high performance with a wide variety of sizes from 12.1" to 3.5"



GP-460xT

- 65,536-color TFT
- 800 x 600 pixels (SVGA)
- Analog or Matrix Touch Panel
- Application 32MB
- Data Backup 320KB
- Alarm Analysis Database
- Built-in Control Program
- Replaceable Battery
- W315 x H241 x D56 mm
[W12.4 x H9.49 x D2.2 in.]

Ethernet
COM 2 ch
SD Card
USB (Host) USB (Device)
AC DC

Coated models are available
COM-isolated models are available

GP-450xT

- 65,536-color TFT
- 640 x 480 pixels (VGA)
- Analog or Matrix Touch Panel
- Application 32MB
- Data Backup 320KB
- Alarm Analysis Database
- Built-in Control Program
- Replaceable Battery
- W272.5 x H214.5 x D57 mm
[W10.73 x H8.44 x D2.24 in.]

Ethernet
COM 2 ch
SD Card
USB (Host) USB (Device)
AC DC

Coated models are available
COM-isolated models are available

GP-4401T

- 65,536-color TFT
- 640 x 480 pixels (VGA)
- Analog Touch Panel
- Application 32MB
- Data Backup 320KB
- Alarm Analysis Database
- Built-in Control Program
- Replaceable Battery
- W218 x H173 x D60 mm
[W8.58 x H6.81 x D2.36 in.]

Ethernet
COM 2 ch
SD Card
USB (Host) USB (Device)
AC DC

GP-430xT

- 65,536-color TFT
- 320 x 240 pixels (QVGA)
- Analog Touch Panel
- Application 16MB
- Data Backup 320KB
- Alarm Analysis Database
- Built-in Control Program
- Replaceable Battery
- W169.5 x H137 x D59.5 mm
[W6.67 x H5.39 x D2.34 in.]

Ethernet
COM 2 ch
SD Card
USB (Host) USB (Device)
AC DC

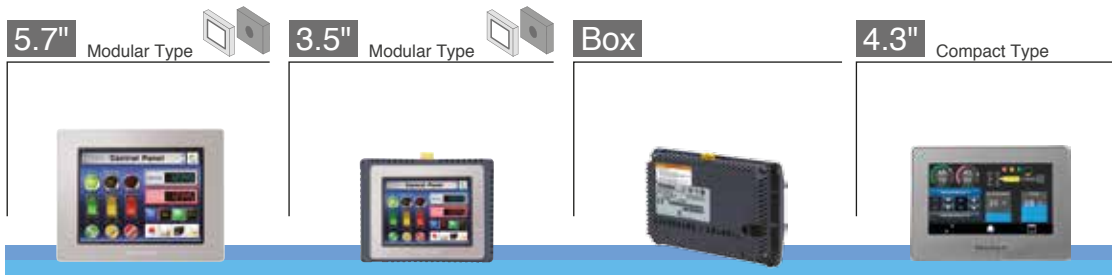
Coated models are available
COM-isolated models are available

GP-420xT

- 65,536-color TFT
- 320 x 240 pixels (QVGA)
- Analog Touch Panel
- Application 16MB
- Data Backup 320KB
- Alarm Analysis Database
- Built-in Control Program
- W132 x H106 x D42 mm
[W5.2 x H4.17 x D1.65 in.]

Ethernet
COM 1 ch
SD Card
USB (Host) USB (Device)
AC DC

COM-isolated models are available



GP-4301TM

- 65,536-color TFT
- 320 x 240 pixels (QVGA)
- Analog Touch Panel
- Application 8MB
- Data Backup 128KB
- W163 x H129.4 x D56.5 mm
[W6.41 x H5.09 x D2.224 in.]

Ethernet
COM 1 ch
SD Card
USB (Host) USB (Device)
AC DC

GP-4201TM

- 65,536-color TFT
- 320 x 240 pixels (QVGA)
- Analog Touch Panel
- Application 8MB
- Data Backup 128KB
- W97.6 x H80 x D56.3 mm
[W3.84 x H3.1 x D2.21 in.]

Ethernet
COM 1 ch
SD Card
USB (Host) USB (Device)
AC DC

GP-4000M

- Application 8MB
- Data Backup 128KB
- W97.6 x H80 x D56.3 mm
[W3.84 x H3.1 x D2.21 in.]

Ethernet
COM 1 ch
SD Card
USB (Host) USB (Device)
AC DC

GP-4100

- 65,536 colors TFT
- 480 x 272 pixels
- Analog Touch Panel
- Application 8MB
- Data Backup 128KB
- W124.9 x H90.4 x D35.9 mm
[W4.92 x H3.56 x D1.41 in.]

Ethernet *1
COM 1 ch *2
SD Card
USB (Host) USB (Device)
AC DC

COM-isolated models are available

*1: GP-4114 only
*2: RS232C : GP-4115 only
RS422/485 : GP-4116 only

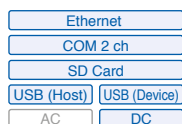
Modular Type for Easy Mounting (GP-4000M)





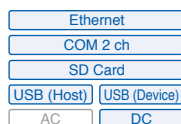
GP-4501TW

- 65,536-color TFT
- 640 x 480 pixels (VGA)
- Analog Touch Panel
- Application 16MB
- Data Backup 128KB
- Built-in Control Program
- W315 x H241 x D56 mm
[W12.4 x H9.49 x D2.2 in.]



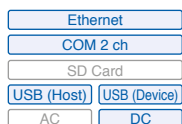
GP-4401WW

- 65,536-color TFT
- 800 x 480 pixels (WVGA)
- Analog Touch Panel
- Application 16MB
- Data Backup 128KB
- Built-in Control Program
- W218 x H173 x D60 mm
[W8.58 x H6.81 x D2.36 in.]



GP-4301TW

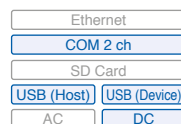
- 65,536-color TFT
- 320 x 240 pixels (QVGA)
- Analog Touch Panel
- Application 8MB
- Data Backup 128KB
- Built-in Control Program
- W169.5 x H137 x D59.5 mm
[W6.67 x H5.39 x D2.34 in.]



Coated models are available

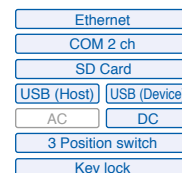
GP-4201TW

- 65,536-color TFT
- 320 x 240 pixels (QVGA)
- Analog Touch Panel
- Application 8MB
- Data Backup 128KB
- Built-in Control Program
- W132 x H106 x D42 mm
[W5.2 x H4.17 x D1.65 in.]

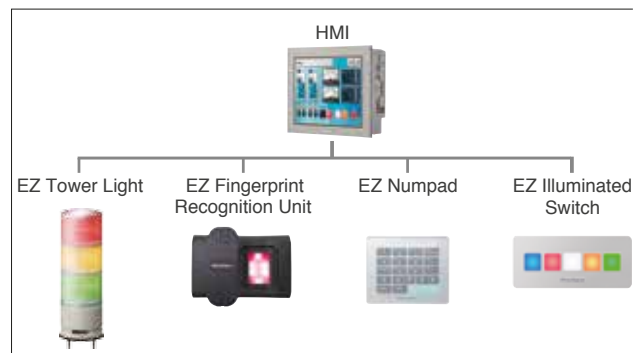


GP-4311HT

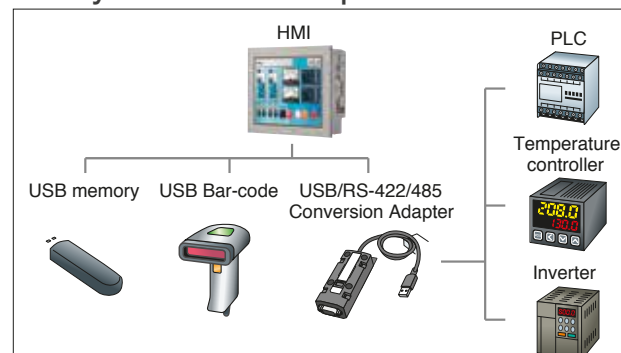
- 65,536-color TFT
- 640 x 480 pixels (VGA)
- Analog Touch Panel
- Application 32MB
- Data Backup 320KB
- W224 x H174 x D87.1 mm
[W8.82 x H6.85 x D3.43 in.]



Pro-face EZ Series USB devices



Easily connect multiple USB devices



Customization

- Bezel: Silver, Black
- Front USB port covered by overlay

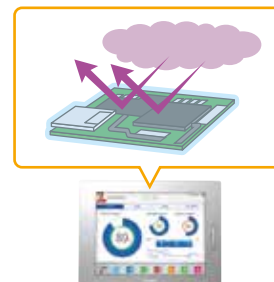
Better design suits your machine.
Select from black, white, beige or standard silver.



Customize overlays with original colors and logos.

Coating extends product lifetime.

Coat PCBAs to extend product lifetime even in an environment with corrosive gas.



(Except already shipped products)



For more information, visit our website.
www.proface.eu/product/hmi/gp4000.html



Touch HMI Multi-Driver

GP4000 Rear Mount Series: display size from 12.1" to 5.7"

12.1" Standard Model	10.4" Standard Model	7.5" Standard Model	5.7" Standard Model
			
GP-4601TADR 65,536-color TFT 800 x 600 pixels (SVGA) - Analog or Matrix Touch Panel - Application 32MB - Data Backup 320KB - Alarm Analysis Database - Built-in Control Program - Replaceable Battery	GP-4501TADR 65,536-color TFT 640 x 480 pixels (VGA) - Analog or Matrix Touch Panel - Application 32MB - Data Backup 320KB - Alarm Analysis Database - Built-in Control Program - Replaceable Battery	GP-4401TADR 65,536-color TFT 640 x 480 pixels (VGA) - Analog Touch Panel - Application 32MB - Data Backup 320KB - Alarm Analysis Database - Built-in Control Program - Replaceable Battery	GP-4301TADR 65,536-color TFT 320 x 240 pixels (QVGA) - Analog Touch Panel - Application 16MB - Data Backup 320KB - Alarm Analysis Database - Built-in Control Program - Replaceable Battery
Ethernet COM 2 ch SD Card USB (Host) USB (Device) AC DC	Ethernet COM 2 ch SD Card USB (Host) USB (Device) AC DC	Ethernet COM 2 ch SD Card USB (Host) USB (Device) AC DC	Ethernet COM 2 ch SD Card USB (Host) USB (Device) AC DC

Maintain hygiene of display area (Flat mount only)

Creates a flat, SEAMLESS display area to prevent accumulation of mold and dust, and to maintain a hygienic environment. Protective structure performance equivalent to IP65F can be expected*



- Overlay
- Panel surface (metal or Plastic)
- LCD screen

Flat mount



Standard mount

* By affixing an overlay (optional) to a console made from a specified material or a surface-treated console. For details, please refer to the Hardware manual

Choose your preferred mounting

Screen and bracket position selectable



The operator panel that enhances your equipment design

Seamless

Integrates into machine design

12.1 in
DC/Analog

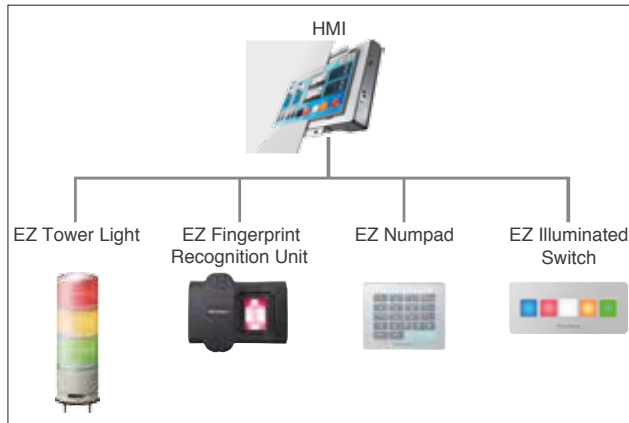
10.4 in
DC/Analog

7.5 in
DC/Analog

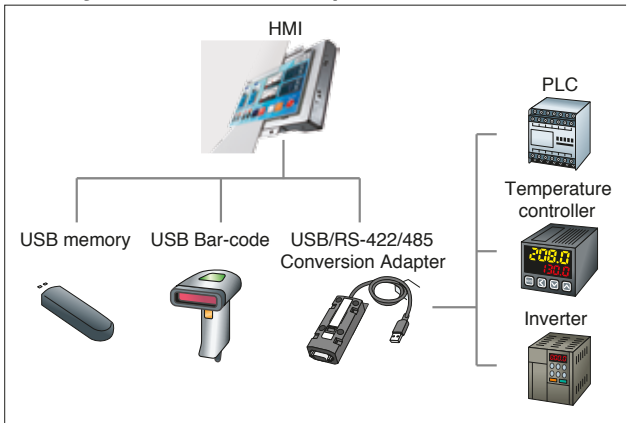
5.7 in
DC/Analog



Pro-face EZ Series USB devices



Easily connect multiple USB devices



Overlay

- Off-white (standard)

International Safety Standards*

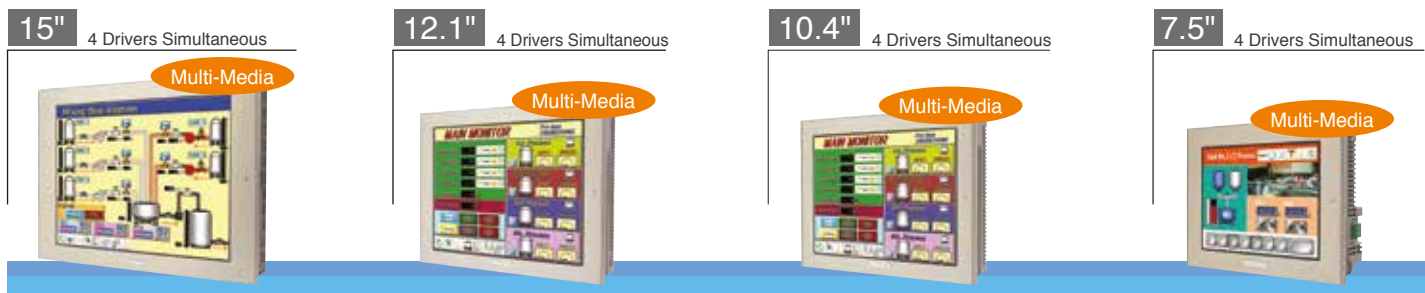
*For details, visit our website.





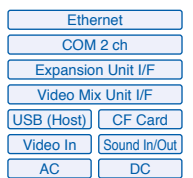
Touch HMI Multi-Driver and Multi-Media

The AGP3000 Series is available in a wide variety of sizes from 15" to 5.7".



AGP-3750T

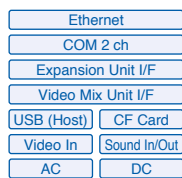
- 65,536-color TFT
- 1,024 × 768 pixels (XGA)
- Analog Touch Panel
- Application 16MB*
- *10MB when the Event Recorder Function is in use.
- Data Backup 320KB
- Built-in Control Program
- W395 x H294 x D60 mm [W15.55 x H11.57 x D2.36 in.]



Coated models are available

AGP-3650U/T

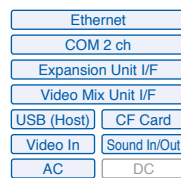
- 65,536-color TFT
- AGP-3650U is ultra high-brightness model
- 800 × 600 pixels (SVGA)
- Analog Touch Panel
- Application 10MB
- Data Backup 320KB
- Built-in Control Program
- W313 x H239 x D56 mm [W12.32 x H9.41 x D2.20 in.]



Coated models are available

AGP-3560T

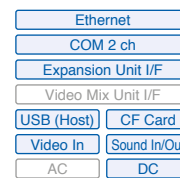
- 65,536-color TFT
- 800 × 600 pixels (SVGA)
- Analog Touch Panel
- Application 10MB
- Data Backup 320KB
- Built-in Control Program
- W270.5 x H212.5 x D57 mm [W10.65 x H8.37 x D2.24 in.]



Coated models are available

AGP-3450T

- 65,536-color TFT
- 640 × 480 pixels (VGA)
- Analog Touch Panel
- Application 10MB
- Data Backup 320KB
- Built-in Control Program
- W215 x H170 x D60mm [W8.46 x H6.69 x D2.36 in.]



Coated models are available

Multi-Media model

The Event Recorder allows you to analyze the cause with recorded images

Video recording can capture a situation in image form.

This feature is effective for predictive maintenance as well as preservation and analysis of error logs.



Video functions make operation instructions easy to understand

You can play back a video file right on the GP3000. Operation instructions in video can display details clearly.



All operators can easily follow maintenance and operation manuals on video.



Work tips and skills training can be made on-screen.

Video instructions reduce the workload of on-site support [Video Playback]

By providing operation and maintenance instructions on video, you can create an environment that enables any site operators to perform maintenance from clear instructions.



International Safety Standards*
*For details, visit our website.

AC Models



DC Models



5.7" 2 Drivers Simultaneous



AGP-3360T

- 65,536-color TFT
- 640 × 480 pixels (VGA)
- Analog Touch Panel
- Application 8MB
- Data Backup 320KB
- Built-in Control Program
- W167.5 × H135 × D59.5 mm
[W6.59 × H5.31 × D2.34 in.]

Ethernet
COM 2 ch
Expansion Unit I/F
Video Mix Unit I/F
USB (Host)
CF Card
Video In
Sound In/Out
AC
DC

AGP-3300U

- 65,536-color TFT
- Ultra high-brightness model
- 320 × 240 pixels (QVGA)
- Analog Touch Panel
- Application 6MB
- Data Backup 320KB
- Built-in Control Program
- W167.5 × H135 × D59.5mm
[W6.59 × H5.31 × D2.34 in.]

Ethernet
COM 2 ch
Expansion Unit I/F
Video Mix Unit I/F
USB (Host)
CF Card
Video In
Sound In
AC
DC

Ultra high-brightness model

Thanks to the high brightness display and the low reflection front, these models provide high visibility even in well-lit locations.

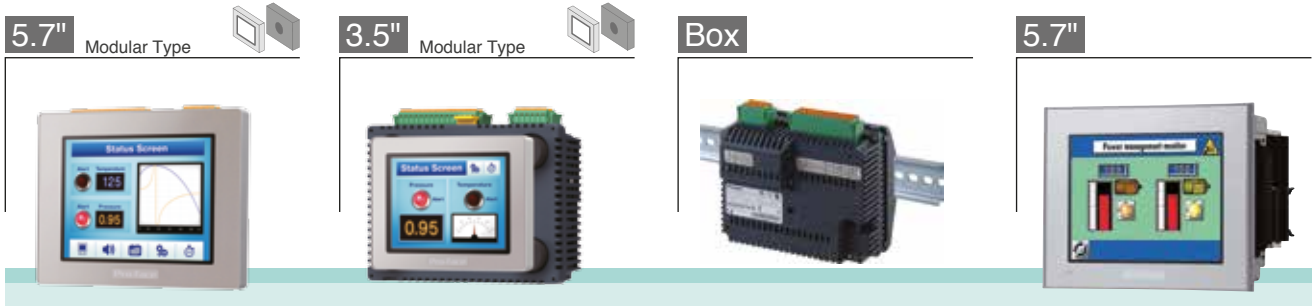


For more information, visit our website.
www.proface.eu/product/hmi/gp3000.html



Touch PLC Compact with I/O Built-In Compact with I/O Built-In and Expansion Unit

LT4000M Series, LT3000 Series: HMI+PLC from 5.7" - 3.5"



LT-4301TM



- 65,536-color TFT
- 320 x 240 pixels (QVGA)
- Analog Touch Panel
- Application 16MB
- Data Backup 128KB
- Built-in Control Program
- Alarm Analysis Database
- W163 x H129.4 x D76.22 mm
[W6.4 x H5.09 x D3.0 in.]

DIO	CANopen	AIO
Ethernet		
COM 1 ch		
USB (Host)	USB (Device)	
DIO:Max.20-in/Max.12-out.		
AIO:Max.4-in/Max.2-out.		
AC	DC	

*Analog model only

LT-4201TM



- 65,536-color TFT
- 320 x 240 pixels (QVGA)
- Analog Touch Panel
- Application 16MB
- Data Backup 128KB
- Built-in Control Program
- Alarm Analysis Database
- W97.6 x H80 x D74.95 mm
[W3.8 x H3.1 x D2.95 in.]

DIO	CANopen	AIO
Ethernet		
COM 1 ch		
USB (Host)	USB (Device)	
DIO:Max.20-in/Max.12-out.		
AIO:Max.4-in/Max.2-out.		
AC	DC	

*Analog model only

LT-4000M



- Application 16MB
- Data Backup 128KB
- Built-in Control Program
- Alarm Analysis Database
- W128 x H108 x D60.2 mm
[W5 x H4 x D2.36 in.]

DIO	CANopen	AIO
Ethernet		
COM 1 ch		
USB (Host)	USB (Device)	
DIO:Max.20-in/Max.12-out.		
AIO:Max.4-in/Max.2-out.		
AC	DC	

*Analog model only

LT-330xT

- 65,536-color TFT
- 320 x 240 pixels (QVGA)
- Analog Touch Panel
- Application 6MB
- Data Backup 128KB
- Built-in Control Program
- W167.5 x H135.0 x D78.0 mm
[W6.59 x H5.31 x D3.07 in.]

DIO	CANopen
Ethernet	
COM 1 ch	
USB (Host)	
16-point in, 16-point out.	
Max. 3 EX Modules	
AC	DC

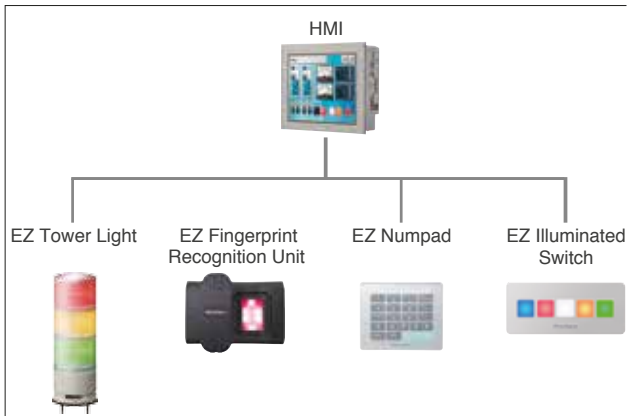
* Requires an optional Master Unit.

3 Ways to use LT4000M

- Display + Box
- Display + Cable/Adapter (DIN rail) + Box
- Box only + Adapter (DIN rail)



Pro-face EZ Series USB devices



For more information, visit our website.
www.proface.eu/product.html



Touch PLC FieldBus I/Os

AGP3000 Series: HMI+PLC from 12.1" -5.7"

12.1" 4 Drivers Simultaneous



AGP-3600T

- 65,536-color TFT
- 800 x 600 pixels (SVGA)
- Analog Touch Panel
- Application 16MB
- Data Backup 320KB
- Built-in Control Program
- W313 x H239 x D56 mm
[W12.32 x H9.41 x D2.20 in.]

DIO	CANopen
Ethernet	
COM 2 ch	
Expansion Unit I/F	
Video Mix Unit I/F	
USB (Host)	CF Card
AC	DC

AGP-3600U

- 65,536-color TFT
- Ultra high-brightness Model
- 800 x 600 pixels (SVGA)
- Analog Touch Panel
- Application 16MB
- Data Backup 320KB
- Built-in Control Program
- W313 x H239 x D56 mm
[W12.32 x H9.41 x D2.20 in.]

DIO	CANopen
Ethernet	
COM 2 ch	
Expansion Unit I/F	
Video Mix Unit I/F	
USB (Host)	CF Card
AC	DC

10.4" 4 Drivers Simultaneous



AGP-3500T

- 65,536-color TFT
- 640 x 480 pixels (VGA)
- Analog Touch Panel
- Application 16MB
- Data Backup 320KB
- Built-in Control Program
- W270.5 x H212.5 x D57 mm
[W10.65 x H8.37 x D2.24 in.]

DIO	CANopen
Ethernet	
COM 2 ch	
Expansion Unit I/F	
Video Mix Unit I/F	
USB (Host)	CF Card
AC	DC

7.5" 4 Drivers Simultaneous



AGP-3400T

- 65,536-color TFT
- 640 x 480 pixels (VGA)
- Analog Touch Panel
- Application 16MB
- Data Backup 320KB
- Built-in Control Program
- W215 x H170 x D60 mm
[W8.46 x H6.69 x D2.36 in.]

DIO	CANopen
Ethernet	
COM 2 ch	
Expansion Unit I/F	
Video Mix Unit I/F	
USB (Host)	CF Card
AC	DC

5.7" 2 Drivers Simultaneous

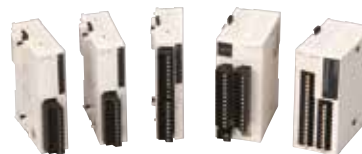


AGP-3300T

- 65,536-color TFT
- 320 x 240 pixels (QVGA)
- Analog Touch Panel
- Application 6MB
- Data Backup 320KB
- Built-in Control Program
- W167.5 x H135 x D59.5 mm
[W6.59 x H5.31 x D2.34 in.]

DIO	CANopen
Ethernet	
COM 2 ch	
Expansion Unit I/F	
Video Mix Unit I/F	
USB (Host)	CF Card
AC	DC

CANopen I/O Expansion Unit



	EX Expansion Module		CANopen Remote I/O
Master	—		CANopen Master
Input	8-point Input	16-point Input	—
Output	8-point Relay Output, 8-point Sink Output, 8-point Source Output	16-point Relay Output, 16-point Sink Output, 16-point Source Output	—
Input/ Output	4-point Input/ 4-point Output, 16-point Input/ 8-point Relay Output		CANopen Slave HTB (12-point Input/ 2-point Source Output/ 6-point Relay Output)
Analog	2-ch Analog Input, 2-ch Analog Input/ 1-ch Analog Output, 4-ch Analog Input/ 2-ch Analog Output	1-ch Analog Output, 2-ch Analog Output	—
Temperature	2-ch Thermocouple Pt100 Input/ 1-ch Analog Output, 4-ch Voltage, Current, Pt100/ Pt1000/ Ni100/ Ni1000 Input, 8-ch Temperature Pt100/ Pt1000 Input		—

International Safety Standards*
*For details, visit our website.

AC Models



DC Models



Industrial PC: PS5000_{SERIES}

Industrial Personal Computer Modular Type

22" wide

Modular Type



PS-5900W

- 1,920 × 1,080 pixels (FHD)
- Core i7 1.7GHz or Celeron 2980U 1.6GHz
- Windows 7, 8.1 Inds., Embedded
- HDD, SSD or CFast card- selectable
- Multi touch by capacitive

Ethernet 2ch	
COM 1 ch	
USB 4ch	mPCIe 2ch
2 slot (1xPCI+1xPCIe, 2xPCI, 2xPCIe) or 0 slot	

19" wide

Modular Type



PS-5800W

- 1,366 × 768 pixels (FWXGA)
- Core i7 1.7GHz or Celeron 2980U 1.6GHz
- Windows 7, 8.1 Inds., Embedded
- HDD, SSD or CFast card- selectable
- Multi touch by capacitive

Ethernet 2ch	
COM 1 ch	
USB 4ch	mPCIe 2ch
2 slot (1xPCI+1xPCIe, 2xPCI, 2xPCIe) or 0 slot	

15" wide

Modular Type



PS-5700W

- 1,366 × 768 pixels (FWXGA)
- Core i7 1.7GHz or Celeron 2980U 1.6GHz
- Windows 7, 8.1 Inds., Embedded
- HDD, SSD or CFast card- selectable
- Multi touch by capacitive

Ethernet 2ch	
COM 1 ch	
USB 4ch	mPCIe 2ch
2 slot (1xPCI+1xPCIe, 2xPCI, 2xPCIe) or 0 slot	

15"

Modular Type



PS-5700T

- 1,024 × 768 pixels (XGA)
- Core i7 1.7GHz or Celeron 2980U 1.6GHz
- Windows 7, 8.1 Inds., Embedded
- HDD, SSD or CFast card- selectable
- Single touch by resistive

Ethernet 2ch	
COM 1 ch	
USB 5ch	mPCIe 2ch
2 slot (1xPCI+1xPCIe, 2xPCI, 2xPCIe) or 0 slot	

Box

BOX Type



PS-5000B

- Core i7 1.7GHz or Celeron 2980U 1.6GHz
- Windows 7, 8.1 Inds., Embedded
- HDD, SSD or CFast card- selectable

Ethernet 2ch	
COM 1 ch	
USB 4ch	mPCIe 2ch
0 slot	

Box

BOX Type



PS-5000B

- Core i7 1.7GHz or Celeron 2980U 1.6GHz
- Windows 7, 8.1 Inds., Embedded
- HDD, SSD or CFast card- selectable

Ethernet 2ch	
COM 1 ch	
USB 4ch	mPCIe 2ch
2 slot	

Built to order



Choose a configuration that best suits your budget and purpose. Configuration requirements can be selected online, eliminating the need to look through models to find the best match.

A wide variety of interfaces



Choose from a variety of interface options for more functions. Expand connected devices via the interfaces in order to broaden your product lineup.

For more information, visit our website.

www.proface.eu/product/ipc/ps5000.html



Industrial PC: PS5000_{SERIES}

Industrial Personal Computer Slim Type

19" wide Slim Type



PS-5811W

- 1,366 × 768 pixels (FWXGA)
- Core i3 4010U 1.7GHz
- Windows 7, 8.1 Inds., Embedded
- HDD, SSD or CFast card- selectable
- Multi touch by capacitive

Ethernet 2ch	
COM 1 ch	
USB 2ch	mPCIe 2ch
0 slot	

15" wide Slim Type



PS-57*1W

- 1,366 × 768 pixels (FWXGA)
- Core i3 4010U 1.7GHz, Atom E3827 1.75GHz
- Windows 7, 8.1 Inds., Embedded
- HDD, SSD or CFast card- selectable
- Multi touch by capacitive

Ethernet 2ch	
COM 1 ch	
USB 2ch	mPCIe 2ch
0 slot	

10" wide Slim Type



PS-5501W

- 1,280 × 800 pixels (WXGA)
- Atom E3827 1.75GHz
- Windows 7, 8.1 Inds., Embedded
- HDD, SSD or CFast card- selectable
- Multi touch by capacitive

Ethernet 2ch	
COM 1 ch	
USB 2ch	mPCIe 2ch
0 slot	

High-quality glass face offering ease of use and visibility



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

Simple, high-level enclosure design to match industrial applications



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

Design-and maintenanceconscious interface layout



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

No maintenance thanks to fanless design



Industrial computer fans for excessive heat can stop functioning due to dust, oil, or other factors from the manufacturing site. By using a fan-less design, there's no need to change the fan on a regular basis, thus reducing maintenance costs and management effort.

Cloud System Monitor



The PS5000 state of the art System Monitor is cloud based and offers advance features like Hardware Monitor, Software Status Monitor, Remote Desktop and Device Map Monitor.

For more information, visit our website.

www.proface.eu/product/ipc/ps5000.html



Industrial PC: PS5000_{SERIES}

Industrial Personal Computer Slim Type Core i3 Enclosed model

19" wide

Slim Type (Enclosed model)



PS-5821W

- 1,366 × 768 pixels (FWXGA)
- Core i3 4010U 1.7GHz
- Windows 7, 8.1 Inds., Embedded
- HDD, SSD or CFast card- selectable
- IP66 (All around)
- Multi touch by capacitive

Ethernet 2ch	
COM 1 ch	
USB 2ch	mPCIe 2ch
0 slot	

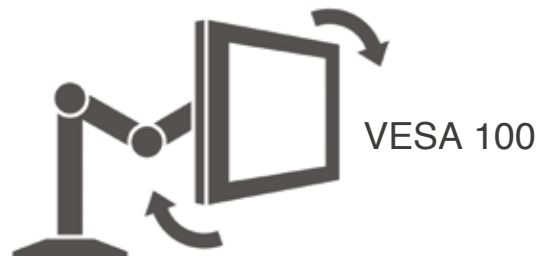


Full IP66 enclosure



No additional housing or cabinet is needed as the housing of the PS5000 enclosed model is fully IP66. Connections like USB, Ethernet and Serial communication are available via M12 connectors on the rear.

Flexible installation



Choose any available arm or mount in the market as the PS5000 Enclosed Model supports the VESA 100 standard.

For more information, visit our website.

www.proface.eu/product/ipc/ps5000.html



Industrial PC: PS4000 and PE4000_{SERIES}

Industrial Personal Computer

12"

Aluminium Bezel



PS4600

- 12" XGA (1024 x 768)
- Core i3-32117UE 1.6 GHz
- Windows 7 Ultimate or Embedded Standard 7 Premium
- Cfast card, SSD or HDD

Ethernet 2 ch

COM 2 ch

USBx4

DVI

0-2 slots

AC

DC

12"

Rear mount



PS4600

- 12" XGA (1024 x 768)
- Core i3-32117UE 1.6 GHz or Celeron 827E 1.4 GHz
- Windows 7 Ultimate or Embedded Standard 7 Premium
- Cfast card, SSD or HDD

Ethernet 2 ch

COM 2 ch

USBx4

DVI

0-2 slots

AC

DC

Box



PE4000 N2600

- Intel® Atom™ Dual Core N2600 1.6 GHz
- Windows® 2009, WES7
- SSD or CFast-selectable
- Fanless model only

Ethernet 3 ch

COM 6 ch

USB 5 ch

CFast

PCI

PCIe

RGB

HDMI

AC

DC

For more information, visit our website.

www.proface.eu/product/ipc/pe4000b.html



Industrial Flat Panel Display

FP5000 Series from 15" - 12"

15"



FP-5700TPD

- 1,024 x 768 pixels (XGA)
- Front USB Interface (Type A)
- Rear USB Interface (Type B)
- DVI-D
- W397 x H296 x D67 mm
[W15.63 x H11.65 x D2.64 in.]

DVI-D
USB (Host) USB (Device)
12 - 24 VDC An. Multi Touch

12"



FP-5600TPD

- 1,024 x 768 pixels (XGA)
- Front USB Interface (Type A)
- Rear USB Interface (Type B)
- DVI-D
- W315 x H241 x D67 mm
[W12.4 x H9.49 x D2.64 in.]

DVI-D
USB (Host) USB (Device)
12 - 24 VDC An. Multi Touch

Two point Touch

12 - 24 VDC

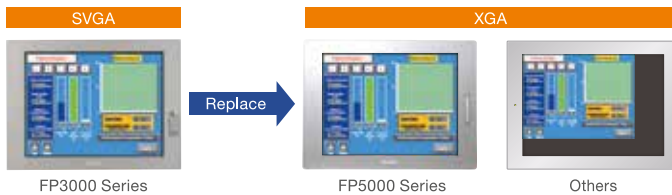
IP67F

Front-side USB

0-60°C



Features



Automatic resolution adjustment

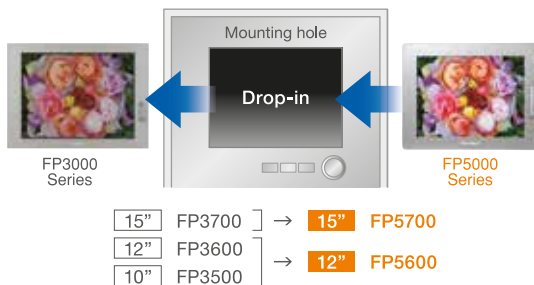
The resolution scalar function assures the best display space usage regardless of PC resolution setting.



Easy display setting

Brightness and other settings can be configured from the Launcher screen to ensure optimal performance.

Improve operation efficiency by simply upgrading your displays



Sharing the panel cut out dimension with the FP3000 Series, the FP5000 Series is the natural choice for upgrading your system. Automatic resolution and brightness adjustment eases upgrade and increase operation efficiency.

Benefit from latest multi-touch operation support



Scroll

Swipe

Pinch

Two-point touch

etc...

Supporting the latest gesture operations is key to more intuitive user guidance and also promotes less unintended operations. Applying proven resistive touch technology, compromises like choice of gloves or installation environment have not to be made.

For more information, visit our website.

www.proface.eu/product/ipc/fp5000.html



Software

Pro-face Remote HMI / Remote HMI Server

Remote Monitoring Software for mobile

Pro-face mobility solutions for remote access

Confirm the cause of an alarm directly with your mobile device and see if the machine can be put back into operation without going on site.

Operate Windows applications via a tablet or a smartphone with Pro-face Remote HMI Server installed on your IPC or PC.

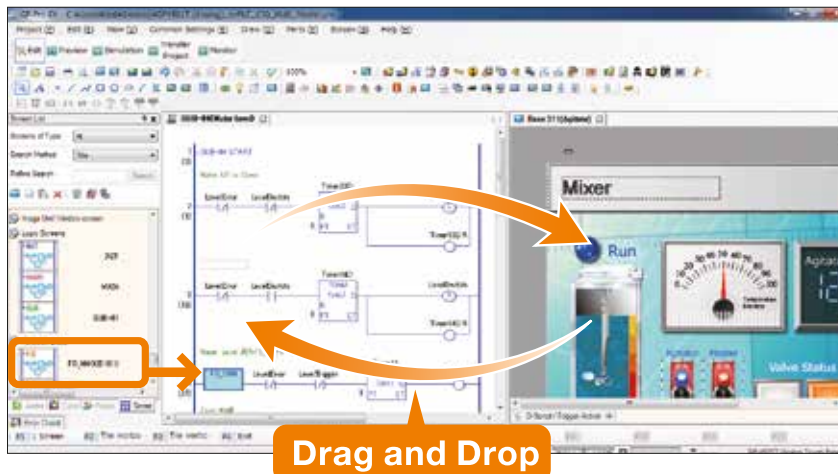


GP-Pro EX

HMI Screen Editor & Logic Programming Software

Easy sharing of symbolized device data between HMI screen and control programs using drag and drop operation provides you with intuitive operation throughout the successful completion of a project.

Function Block control programming also eases your control system design with frequently used and specially defined control functions.



GP-Pro EX Ver 4.x Now available!

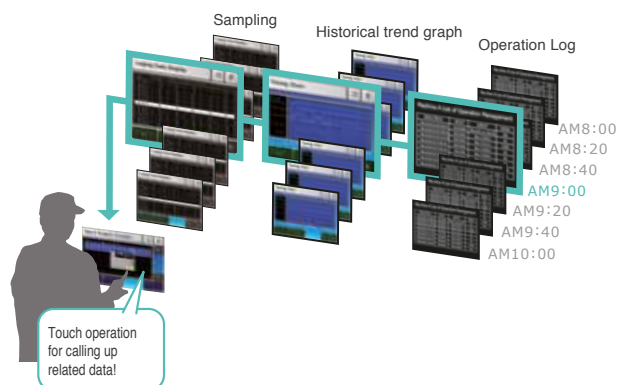
- SP5000 Series support
- Time zone function including summer/winter time
- Pro-face Remote HMI: new functions and GP4000M support
- Communication drivers: Siemens, Beckhoff, Allen Bradley, Modbus, Mitsubishi and many others

For more information, visit our website.
www.proface.eu/product/soft/remotehmi.html



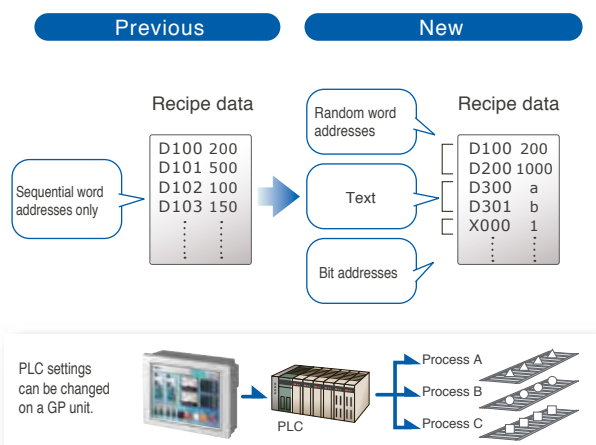
Alarm Analysis

When an error occurs, an operator can easily identify the conditions on-site by touching the alarm message. This calls up the error-related data in chronological order.



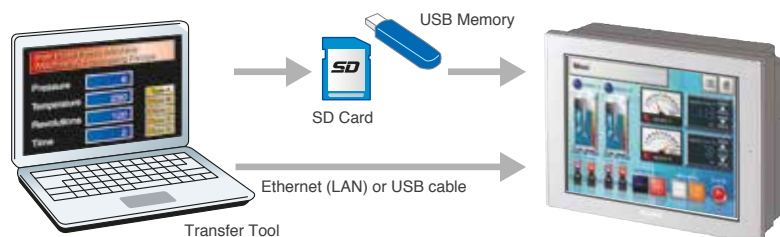
Enhanced Recipes

Develop recipes for specific devices that even combine diverse elements such as bit data, word data, and strings.



Easy Transfer

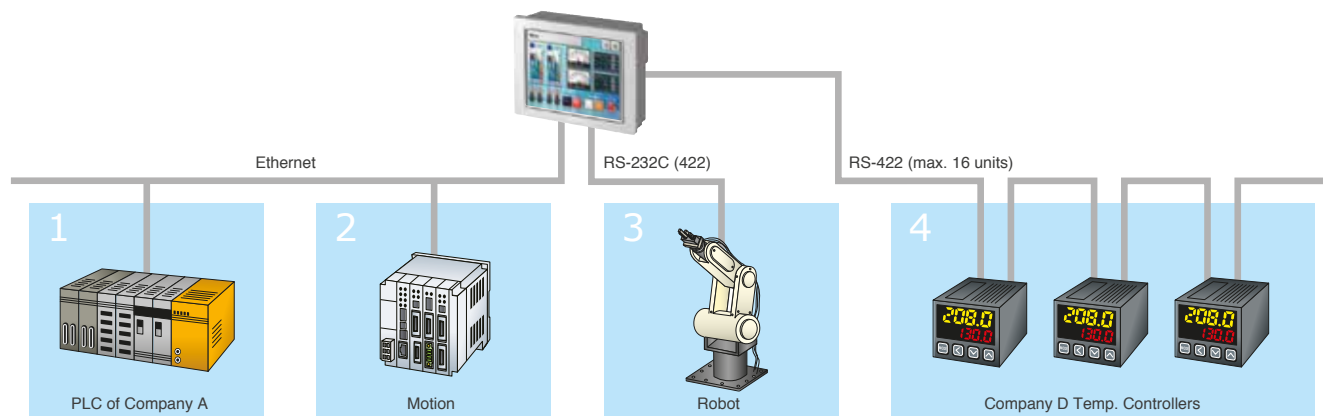
Screen data can be updated by using the data transfer tool, even without a software license.



The data transfer tool can be downloaded for free from the Web
<http://www.pro-face.com/otasuke/download/>

A Wide Range of Device Connections

Using the Serial Interface and Ethernet Interface, you can manage all information from a single GP through simultaneous communication with up to four types of devices.



For more information, visit our website.
www.proface.eu/product/soft.html



Remote Monitoring of On-site Situations in Real-time

WinGP - HMI screen data operable on a Windows PC

The IPC runtime engine WinGP can run screen data created for Pro-face HMI on GP-Pro EX software on a Windows PC. *1

*1 WinGP can be installed from GP-Pro EX DVD-ROM, only the license needs to be purchased.

Communication with Various Controllers

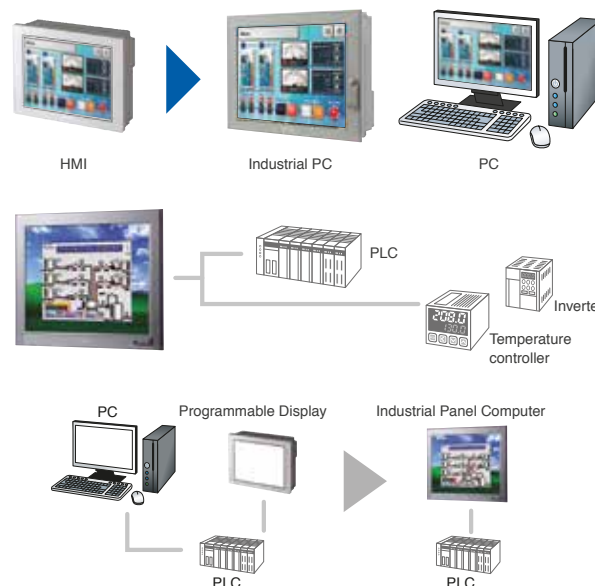
The system configuration which used to be built with PC, HMI and PLC can be built only with IPC and PLC.

Downsize System Space

Communication drivers are included as standard so there is no need to develop drivers for communication with PLCs, temperature controllers, and other control devices.

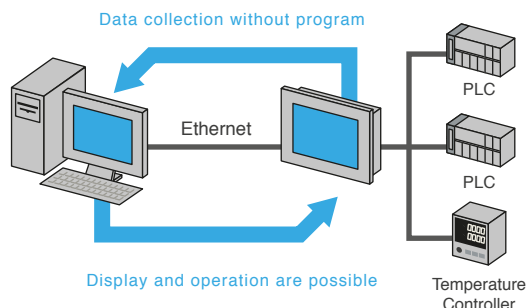
Combination with User Applications

Dedicated API allows for flexible integration with in-house PC applications.



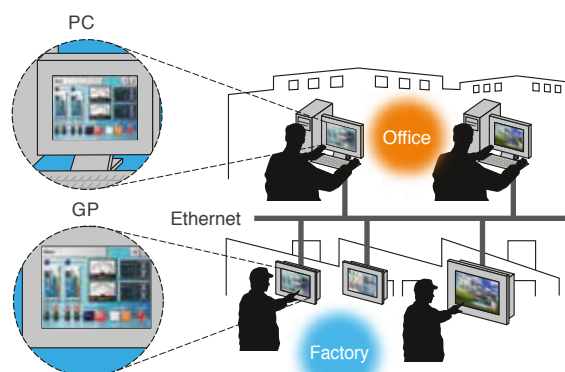
Data Management **Pro-Server EX**

Using GP-Pro EX as your platform, you can easily design screens at low cost that gather information on the display and connected equipment. *1



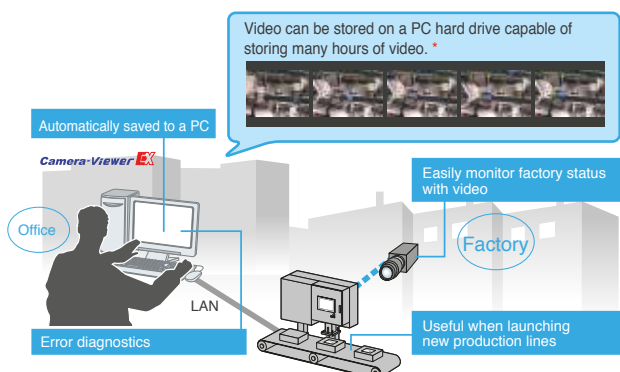
Screen Remote Monitoring **GP-Viewer EX**

You can remotely monitor GP screens on computers far from the worksite. *2



Camera Remote Monitoring **Camera-Viewer EX**

Camera-Viewer EX allows you to use an office PC to view in real-time, record and play video from a remote camera connected to a GP. *2



* A brief delay of about one second may occur during real-time monitoring.

Remote PC Access **RPA**

With the RPA function, an operation manual on the office PC can be displayed on a GP. *2

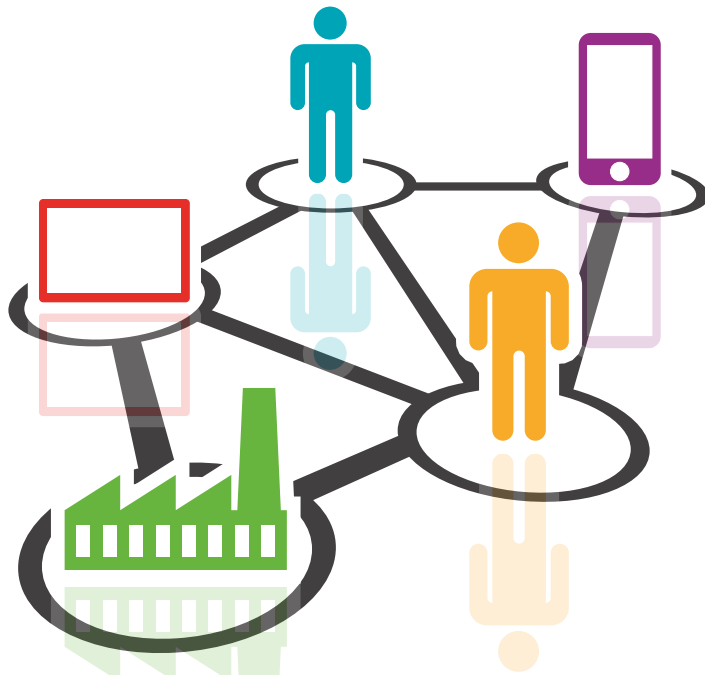


*1 To use Pro-Server EX, separate software must be purchased.

*2 To use GP-Viewer EX, Camera-Viewer EX, WinGP, RPA, a separate license must be purchased.

Pro-face Connect

Remote Access Over Internet



Not on site? Not a problem. Pro-face Connect delivers secure remote access to HMIs, PLCs, and drives — saving time and travel costs. This cloud based service does not require any extra hardware and comes as native on our HMI and industrial PCs.

Efficient and easy to use

- Ready to use for Pro-face HMI SP5000, GP4000 series and IPC
- Remote access for programming, diagnostics, control, and monitoring
- Speeds up operations and reduces machine downtime

Works everywhere, for everyone

- Operable for all applications and segments
- Available from a desktop PC or laptop computer

Reliable and safe

- Cyber secure (end to end) for both original equipment manufacturers and end users
- Secure access to remote devices over the internet

Easy to subscribe

- Sold as an annual subscription
- Remote service pack is adapted to user's needs
- Remote connection available through an activation code in just half an hour

Intuitive Scada/HMI software for Pro-face IPC

BLUE Line Management Lite SCADA
Open Studio



Connectivity

- Native OPC interfaces such as OPC UA/DA
- Active X and .Net controls
- 240+ available communication drivers for PLCs and many other devices

Mobility

Access to the system from any location simply using your webbrowser

Reliability

Take advantage of built-in features to develop 21 CFR part11 compliant applications

For more information, visit our website.
www.proface.eu/product/soft.html



Connectable Devices

For further information of supported models and options, and cable diagrams, refer to PLC Connection Manual.

PLC	
Manufacture	Series
ABB	COMLI
3S-Smart Software Solutions GmbH	CODESYS Control Win V3
Beckhoff Automation GmbH	Bus Terminal Controller: BC/BX series Embedded PC: CX series IPC/TwinCAT-SoftPLC IPC/TwinCAT3-Runtime
CoDeSys Automation Alliance	CoDeSys SIO, CoDeSys Ethernet, CoDeSys V3.0 Ethernet
Control Techniques	MODBUS Slave Device, Unidrive SP
Control Technology Corp.	2700 Series
Crouzet Automatismes SAS	Millenium 3 Smart, Millenium 3 Essential
Delta-TAU data system, inc.	PMAC - PC/104, PMAC-Lite, PMAC-PC Turbo PMAC - Turbo PMAC1, Turbo PMAC2, Turbo Clipper, QMAC, Geo Brick Controller, Geo PMAC Driver, PC/104 Turbo, Turbo PMAC PCI, UMAC
FANUC LTD.	Fanuc Power Mate Series, Fanuc Power Mate I Series, Fanuc Series
Fatek Automation Corp.	FBs, FBe/FBn
Fuji Electric Co., Ltd.	MICREX-F, MICREX-SX SPH
GE Intelligent Platforms	Series 90-30, Series 90-70, VersaMaxMicro, PACSystemRX7i
Hitachi Industrial Equipment Systems Co., Ltd.	EHV+, H, EH-150, MICRO-EH, Web Controller, Micro-EHV
Hitachi, Ltd.	S10V, HIDIC-S10a, S10mini
IEC Standard	TELVENT, Selta STCE
JTEKT Corporation	TOYOPUC-PC2/PC3J/PC3JT/PC3IPC10G
KEYENCE CORPORATION	KV-700/1000/3000/5000/5500/7000, KV Series, KV Nano Series, Virtual KV Series
KOYO ELECTRONICS INDUSTRIES CO., LTD.	KOSTAC SG/SU/SZ/PZ3/SR, DL-205/305/405, Direct Logic05/06
Lenze Vertrieb GmbH	Controller 3200C
LS Industrial Systems Co., Ltd.	GLOFA Series, K1000S, K300S, K200S, K120S, K80S, XGK, XGT, XGB
MEIDENSHA CORPORATION	UNISEQUE
Mitsubishi Electric Corporation	MELSEC AnA, MELSEC AnN, MELSEC Q (A mode), MELSEC QnA, MELSEC Q, MELSEC L, MELSEC FX, MELSEC A, MELSEC IQ-R, MELSEC IQ-F
Mitsubishi Heavy Industries, Ltd.	DIASYS Netmation, UP/V
OMRON Corporation	SYSMAC C/a/CV/CS1/CJ1/CJ2/CP1/CP1E/CS/NJ
Panasonic Industrial Devices SUNX Co., Ltd.	FP
Rockwell Automation, Inc.	SLC500, PLC-5, Control Logix, Micro Logix, Compact Logix
Saia-Burgess Controls Ltd.	PCD1, PCD2, PCD3, PCD4, PCD6
Schneider Electric SA	Nano, Micro, Premium, Twido, Quantum, Momentum, MODBUS communication devices
Sharp Manufacturing Systems Corporation	JW10, JW20H, JW30H, JW50H, JW70H, JW100H, JW300
SICK AG	FX3-CPU0, FX3-CPU1
Siemens AG	SIMATIC S7-200/S7-300/S7-400/S7-1200/S7-1500, S5 Series 90U/115U, 135U/155U, LOGO! Series TIA Portal symbol import for S7-1200/S7-1500
Siemens Building Technologies	SAPHIR
TOSHIBA CORPORATION	T Series, V Series, EX Series
TOSHIBA MACHINE CO., LTD.	TC200, TC200S, TCmini
YASKAWA Electric Corporation	Control Pack, MP900, MP2000, MEMOCON GL, MEMOCON SC, MEMOCON Micro, MP3000
Yokogawa Electric Corporation	FA-M3, FCN, FCJ
Industrial Networks	- Profibus International Profibus Slave - CAN in Automation CANopen Slave - CC Link Partnet Association CC-Link

Temperature Controller	
Manufacture	Series
CHINO CORPORATION	DB, KP, LT, JU, JW
Fuji Electric Co., Ltd.	PXH, PXG, PXR (AutoFIX), PXR (NoAutoFIX), PUM
OMRON Corporation	THERMAC NEO, THERMAC, In-Panel NEO
RKC INSTRUMENT INC.	CB, FB400/FB900, HA400/HA900, MA900, MA901, SRV, SRX, SA100, SA200, SR Mini HG(H-PCP-A/B), SR Mini HG (H-PCP-A), HG (H-PCP-J), SRZ (Z-TIO), SRZ (Z-DIO), SRZ (Z-CT), SRZ (Z-COM), REX-F9000, REX-F, REX-D, REX-G9, REXP300, REXP250, REX-AD, REX-PG, AE500, LE100
Shinko Technos Co., Ltd.	C, FC, FIR, GC, JC, AC, NC, DC, FCL, PC-900
Azbil Corporation (formerly Yamatake Corporation)	SDC10, SDC15, SDC20, SDC21, SDC25, SDC26, SDC30, SDC31, SDC35, SDC36, SDC40A, SDC40B, SDC40G, SDC45, SDC46, DMC10, DMC50, DCP31, DCP32, DCP551, DCP552, CMC10B, NX
Yokogawa Electric Corporation	Temperature Controllers UT100 Series, Digital Indicating Controllers UT2000

Inverter/Servo	
Manufacture	Series
Fuji Electric Co., Ltd.	FRENIC5000G11S, FRENIC5000P11S, FVR-E11S, FVR-C11S, FRENIC-MEGA, FRENIC-Mini, FRENIC-Eco, FRENIC-Multi
Hitachi Industrial Equipment Systems Co., Ltd.	L300P, SJ300, SJ700, SJ700-2, SJH300, HFC-VAH3, X200, SJ200, L200, WJ200
Mitsubishi Electric Corporation	FR-A700, FR-A701, FR-E700, FR-F700, FR-A500, FR-C500, FR-A500L, FR-E500, FR-F500, FR-F500J, FR-F500L, FR-S500, FR-V500, FR-V500L, FR-B, B3(A500), FR-B, B3(A700)
Sanmei Electronics Co., LTD	Si2, CulyAxis2, CulyAxis3
Toshiba Schneider Inverter Corporation	TOSVERT VF-S15, TOSVERT VF-A51
YASKAWA Electric Corporation	Varispeed AC, Varispeed F7, Varispeed F7S, Varispeed G7, Varispeed L7, VS mini J7, VS mini V7/VS-606V7, V1000, J1000, A1000, Sigma 7C, GA700 Analog Voltage/Pulse Train Reference Type SERVOPACKs For Rotary Servomotors, Analog Voltage/Pulse Train Reference Type SERVOPACKs For Linear Servomotors, Σ-V Series Rotary Motors (M-II), Σ-V Series Linear Motors (M-II), Σ-V Series Rotary Motors (M-III), Σ-V Series Linear Motors (M-III), Σ-7 Series 1-axis Servo Pack (M-II), Σ-7 Series 1-axis Servo Pack (M-III), Σ-7 Series 2-axis Servo Pack (M-III)

Industrial Robot	
Manufacture	Series
DENSO WAVE INCORPORATED	RC7M Controller, RC8 Controller
Estic Corporation	Handy 2000
Hyundai Heavy Industries	Hi4 Robot, Hi5 Robot
IAI Corporation	PCON, ACON, SCON, ERC2, ROBONET X-SEL(Linear Actuator Controller), X-SEL(SCARA Robot Controller), SSEL, ASEL, PSEL, Table-Top Actuator
Seiko Epson Corporation	RC700 Series
SMC Corporation	LECP6, LECA6
TOSHIBA MACHINE CO., LTD.	TC mini/TC200 Series, TS1000/2000/2100/3000/3100 Series
YASKAWA Electric Corporation	DX100/DX200 Series, FS100/FS100L Series
Yamaha Motor Co., Ltd.	TS-S, TS-X, TS-P

Other Devices	
Manufacture	Series
Azbil Corporation (formerly Yamatake Corporation)	PBC Series, CMS Series, CMF Series, CMQ-V Series, MPC Series, MVF Series, CML Series, AUR350C Series, AUR450C Series, RX Series, BC-R, K1G Series
Cognex Corporation	In-Sight 5000/7000 Series Vision Systems, In-Sight Micro Vision Systems
Digital Electronics Corporation	PC or Micro computer board etc., SIO communication devices, Ethernet communication devices
IEC Standard	IEC 60870-5-101
Konnex	EIB
Industrial Networks	CANopen, CC-Link, Devicenet, Profibus-DP
Modbus-IDA	MODBUS Compatible External Device, MODBUS Slave Device
M-System Co., Ltd.	R7G4HML3-LC2
ODVA (Open DeviceNet Vendor Association, Inc.)	EtherNet/IP communication devices
YASKAWA Electric Corporation	M-System Co., Ltd. Remote I/O, Azbil Corporation K1G Series, Oriental motor Co., Ltd.

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