

Product Guide

2016

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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Control



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 new SP5000 link the HMI and IPC worlds. Display size from 15" to 7"



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 D2.64 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 (Open Box only)
- 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-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.]

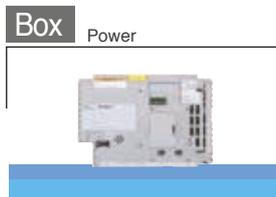
Brightness Sensor
 USB (Host) USB (Device)
 12-24 VDC



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-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-5B40

- Data Backup 320 KB
- Application 64MB (Screen Size)
- Application approx. 5GB (Free Space)

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

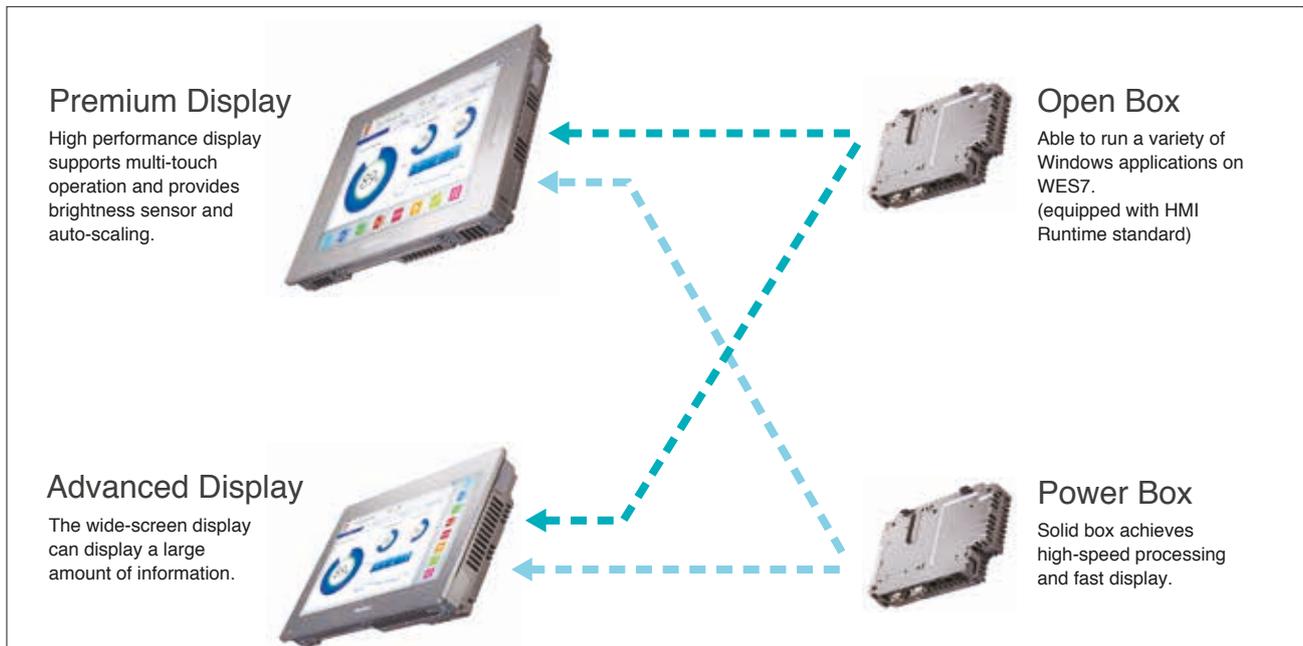
For further information, visit our website.

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

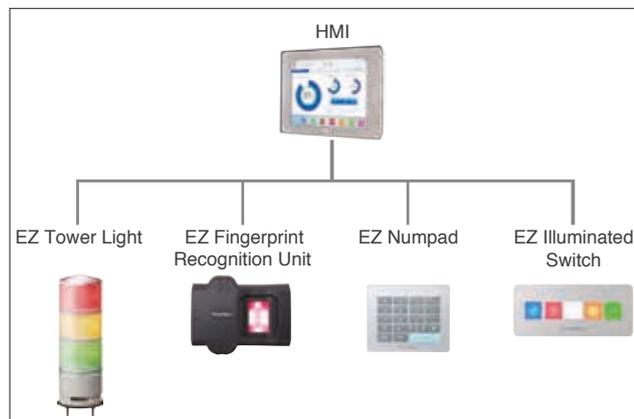


Display + Box module design provides flexible functionality and size

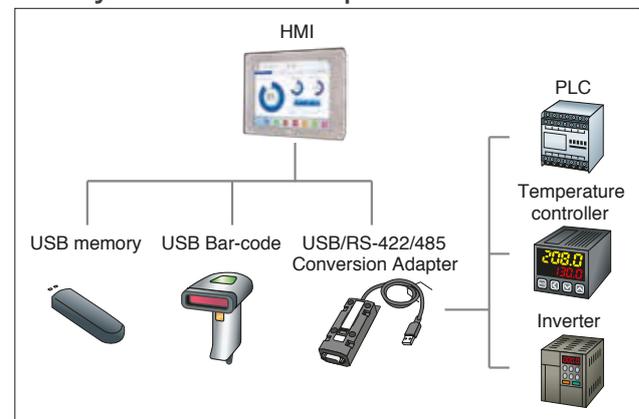
12 Combinations



Pro-face EZ Series USB devices



Easily connect multiple USB devices



Customization

- Overlay: Silver, Off-white, Beige, Black
- Bezel: Silver, Black
- Front USB port covered by overlay
- Corrosion-resistant Board Coating for Environmental Requirement

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



For further 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 3.4"



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

Coated models are available
COM-isolated models are available

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

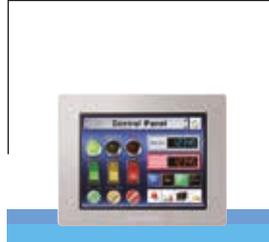
GP-420xT

- 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

5.7" Modular Type



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

3.5" Modular Type



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

Box



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

4.3" Compact Type



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

3.4" Compact Type



GP-4100

- 16-shades Mono
- 3-color Switchable Backlight
- 200 x 80 pixels
- Analog Touch Panel
- Application 2.2MB
- Data Backup 128KB
- W116 x H77.5 x D28 mm
[W4.59 x H3.05 x D1.1 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

*1: GP-4104 only
*2: Excluding GP-4104

Modular Type for Easy Mounting (GP-4000M)



10.4" Basic Model



7.0" wide Basic Model



5.7" Basic Model



3.5" Basic Model



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

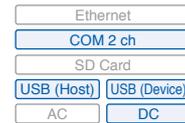
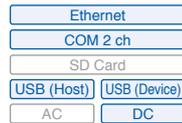
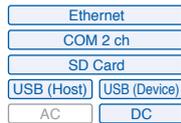
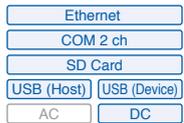
- 65,536-color TFT
- 800 x 480 pixels (WVGA)
- Analog Touch Panel
- Application 16MB
- Data Backup 128KB
- Built-in Control Program
- W218 x H173 x D60 mm
[W8.58 x H6.81 x D2.36 in.]

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.]

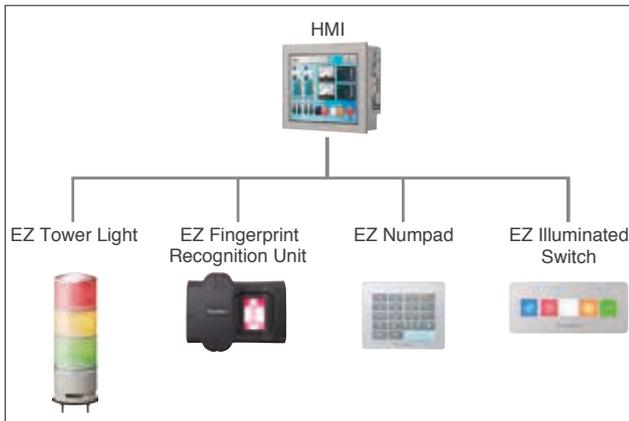
GP-4201TW

- 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.]

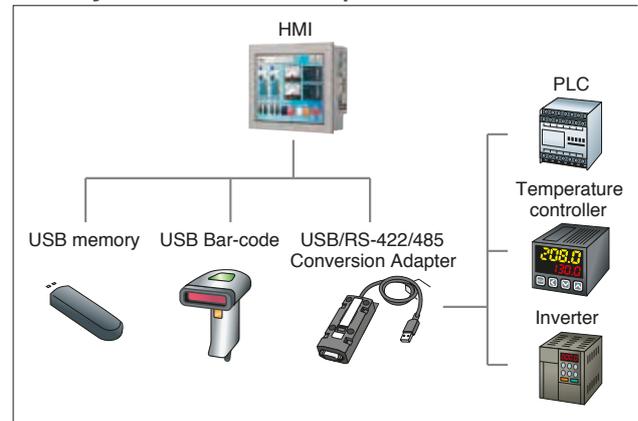


Coated models are available

Pro-face EZ Series USB devices



Easily connect multiple USB devices



Customization

- Overlay: Gray, Off-white, Beige, Black
- Bezel: Gray, Black
- Corrosion-resistant Board Coating for Environmental Requirement

All GP4000 Series products are available in coated models. (Except GP4100 Series and GP4000M Series)

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



For further information, visit our website.

www.proface.eu/product/hmi/gp4000.html



Touch HMI Multi-Driver

New GP4000 Rear Mount Series: display size from 12,1" to 5,7"



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

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

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

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

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

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

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

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*



Choose from Mounting Patterns

Screen and bracket position selectable



- 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

The operator panel that enhances your equipment design

Seamless

Integrates into Machine Design

12.1 in
DC/Analog

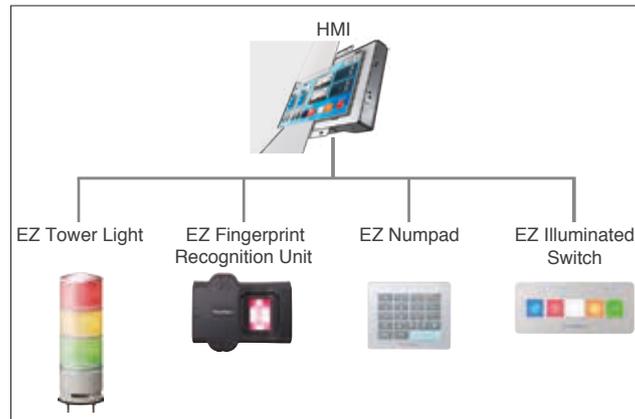
10.4 in
DC/Analog

7.5 in
DC/Analog

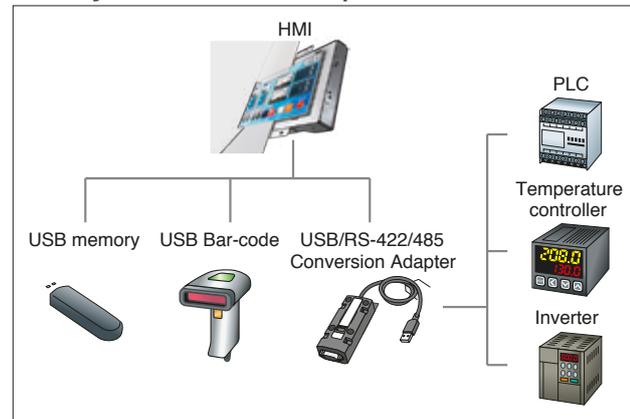
5.7 in
DC/Analog



Pro-face EZ Series USB devices



Easily connect multiple USB devices



Overlay

- Off-white (standard), Gray, Beige, Black

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



For further information, visit our website.

www.proface.eu/product/hmi/gp4000/features/face.html



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 x 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.]

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

Coated models are available

AGP-3650U/T

- 65,536-color TFT
- AGP-3650U is ultra high-brightness model
- 800 x 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.]

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

Coated models are available

AGP-3560T

- 65,536-color TFT
- 800 x 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.]

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

Coated models are available

AGP-3450T

- 65,536-color TFT
- 640 x 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.]

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

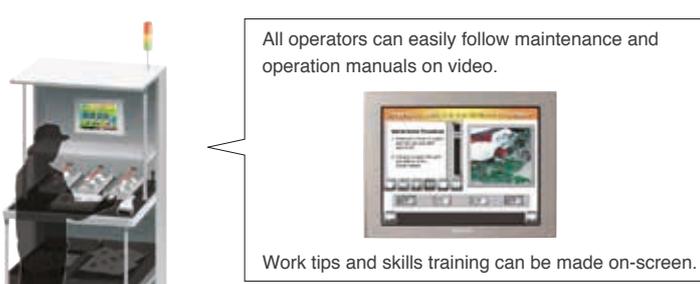
Coated models are available

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.



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



International Safety Standards* *For details, visit our website.	AC Models	UL, cUL, CE, FCC, PC
	DC Models	UL LISTED, cUL LISTED, CE, ENEC, FCC, PC

Handy Touch HMI Multi-Driver

5.7" 2 Drivers Simultaneous



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

AGP-3310HT

- 65,536-color TFT
- 640 × 480 pixels (VGA)
- Analog Touch Panel
- Application 8MB
- Data Backup 320KB
- W224 × H174 × D87.1 mm
[W8.82 × H6.85 × D3.43 in.]

Ethernet
COM 1 ch
Expansion Unit I/F
Video Mix Unit I/F
USB (Host) CF Card
Video In Sound In
AC DC

AGP-3300HL

- 16-shades Mono
- 320 × 240 pixels (QVGA)
- Analog Touch Panel
- Application 6MB
- Data Backup 320KB
- W224 × H174 × D87.1 mm
[W8.82 × H6.85 × D3.43 in.]

Ethernet
COM 1 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.



Handheld model

Emergency Switch

Handheld units are available with or without an emergency switch. Switches are available in red, yellow or grey.



3-Position Enable Switch

If a hazardous event occurs, such as an electric shock, releasing or fully pressing the emergency switch will stop machine operation.



The key switch allows you to move the device without triggering the emergency stop.

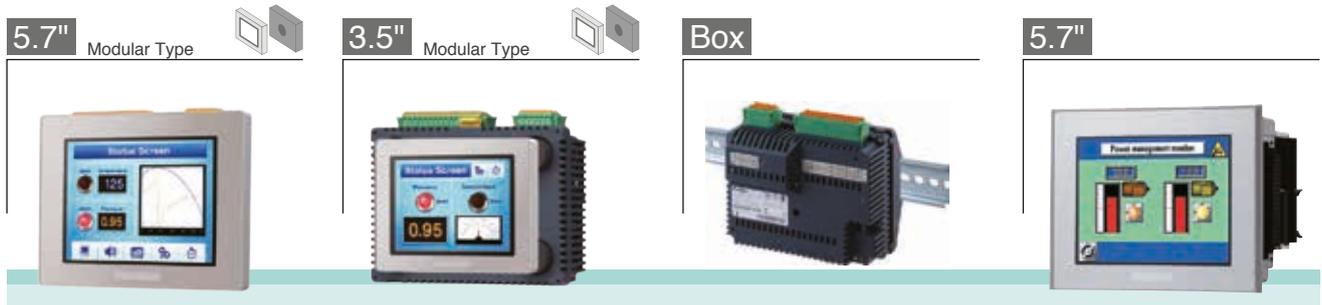
For further informations, visit our website.

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



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

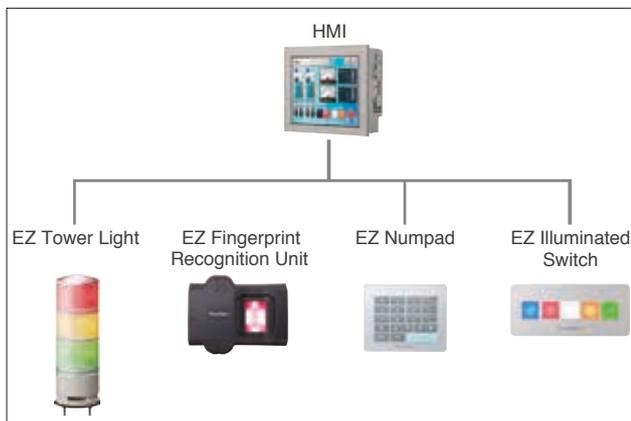
* Requires an optional Master Unit.

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 further information, visit our website.

www.proface.eu/product.html



Touch PLC FieldBus I/Os

AGP3000 Series: HMI+PLC



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.]

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.]

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.]

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

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

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

- 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's

PS5000 Series Industrial PC's (Built-to-order for your requirements)



New industrial PC PS5000 Series

15" wide

19" wide

Slim

Powerful

Smart



Featuring an optimized industrial design for a 66% cut in the required depth. No fan means a smaller operation panel with no need to worry about exhaust heat, resulting in less cost to you.



A generous helping of the latest technology amounts to a surprising edge in performance. This means more power for equipment requiring high-speed processing and equipment with different usability via HMI and PC.



Intuitive gestures for zooming and switching screens similar to popular tablets and smartphones for even smoother operation.

- Scroll
 - Swipe
 - Pinch
 - Two-point touch
- etc.

For further information, visit our website.
www.proface.eu/product/ipc/ps5000.html



Industrial PC's

PS5000 Series Industrial PC's (Built-to-order for your requirements)



Display	19" FWXGA W488.0 x H309.6 x D56.7 mm [W19.21 x H12.17 x D2.23 in.]	15" FWXGA W419.7 x H269.0 x D56.7 mm [W16.52 x H10.59 x D2.23 in.]
Expansion Slot	Mini PCIe	
CPU	Core™ i3-4010U 1.7 GHz	
Power Supply	24VDC / 100-240VAC (By option)	
RAM	8GB	
Windows® OS	Windows® 7 Ultimate 64 bit MUI Windows® Embedded Standard 7 (WES7P) 64 bit MUI Windows® Embedded 8.1 Industry 64 bit MUI	
Main Storage	CF: 16GB / HDD: 500GB or 1TB SSD: 80 / 160 / 240GB	
Second Storage	CF: 16GB / HDD: 500GB or 1TB SSD: 80 / 160 / 240GB	
Interface	HDD/SSD	1
	CF	1
	COM	2 (COM1 RS-232C / COM2 RS-232C/422/485)
	LAN	2 (Gigabit Ethernet 10 / 100 / 1000 BASE-TX)
	USB	2 (USB 3.0 Type A)
	HDMI	1
	Line Out	1
Option Card	Memory Card	NVRAM 2MB
	Interface Card	RS-422 / 485 Isolated x 2 RS-422 / 485 x 4 RS-232C Isolated x 2 RS-232C x 4 Digital Input x 16 / Digital Output x 8 CANopen Master x 2 Profibus DP Master x 1 with NVRAM 128KB Gigabit Ethernet 10 / 100 / 1000 BASE-TX x 1

PS5000 series



A variety of interfaces

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



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.

Pro-face Remote HMI

Remote Monitoring Software for mobile



Remote solutions

Includes a proprietary tablet/smartphone app designed for use in industrial settings. The app offers a revolutionary debugging and remote monitoring experience.

For detail specifications, visit our website.

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



Industrial PC's

PS4000 Series Industrial PC's (Built-to-order for your requirements)

	PS-4800	PS-4700	PS-4700 (Embedded model)	PS-4600	PS-4000B
	 Aluminum Bezel	 Aluminum Bezel Stainless Steel Bezel	 Aluminum Bezel Stainless Steel Bezel	 Aluminum Bezel No bezel (Rear-mount)	
Display	19" SXGA (1,280 × 1,024)	15" XGA (1,024 × 768)	15" XGA (1,024 × 768)	12" XGA (1,024 × 768)	—
Expansion Slot	2 slots* ¹ 1 slot* ² 0 slot	—	0 slot	2 slots* ³ ★ 1 slot* ⁴ ★ 0 slot ★	5 slots* ⁵ 2 slots* ¹ 1 slot* ²
CPU	Core™ 2 Duo P8400 2.26GHz Atom™ N270 1.6GHz	—	Atom™ Z510 1.1GHz	Core™ i3-3217UE 1.60GHz Celeron™ 827E 1.40GHz	Core™ 2 Duo P8400 2.26GHz Atom™ N270 1.6GHz
Power Supply	AC 100-240V DC 24V* ⁶	—	DC 24V* ⁶	AC 100-240V DC 24V	DC 24V* ⁶
RAM	2 to 8GB* ⁷ (Core™ 2 Duo P8400) 1 to 3GB (Atom™ N270)	—	1 to 2GB	1 to 16GB* ⁷ ★	2 to 8GB* ⁷ (Core™ 2 Duo P8400) 1 to 3GB (Atom™ N270)
Windows® OS	Embedded Standard 2009 (32bit), Embedded Standard 7 Premium (32bit), XP Professional (32bit) or 7 Ultimate (32/64bit)	—	Embedded Standard 2009 (32bit)	Embedded Standard 2009 (32bit), Embedded Standard 7 Premium (32bit), XP Professional (32bit) or 7 Ultimate (32/64bit)	—
Storage	CF: 4GB or 8GB* ⁸ HDD: 500GB SSD: 60GB	—	CF: 4GB* ⁸	CFast: 4GB or 8GB* ⁸ HDD: 500GB SSD: 60GB or 128GB* ⁹	CF: 4GB or 8GB* ⁸ HDD: 500GB SSD: 60GB
Interface	COM	2	2	2	2
	LAN	2	2	2	2
	CF	1	1	1	1
	CFast	—	—	—	1
	DVI-I	1	1	—	1
USB	5	5 (4)* ¹⁰	3 (2)* ¹⁰	5 (4)* ¹⁰	5
Expansion Option	Slide-in Slot	DVD Multi drive ★ HDD ★ SSD ★	—	DVD Multi drive ★ HDD ★ SSD ★	DVD Multi drive ★ HDD ★ SSD ★
	I/F Port	RS-232C/422/485 UPS	—	Ethernet	RS-232C/422/485 DVI-D UPS

★: Expandable by adding option.

*¹: "PCI x1 and PCIe (x4) x1" or "PCI x2" *²: "PCI x1" *³: "PCI x1 and PCIe(x8) x1" or "PCI x2" *⁴: "PCI x1" or "PCIe(x8) x1" *⁵: 5 slots is available when choosing Core™ 2 Duo P8400 only.

*⁶: Special power supply is available for conformance to marine vessel standards or for the use of UPS. *⁷: More than 6GB memory is available when choosing 64-bit OS.

*⁸: CF Card and CFast are Embedded OS only. *⁹: The SSD 128GB is under development. *¹⁰: Stainless Steel Bezel Models and Rear-mount Models have no front USB interface.



The BTO allows you to select your desired PC and customize it in detail.*

* Please note that some patterns cannot be selected depending on the model or combination.
Confirm your selection with the BTO sheet on the Pro-face web site.

For detailed specifications, visit our website.

www.proface.eu/product/ipc/ps4000.html



Industrial PC's

PE4000B Series Industrial PC's

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

PE4000 N270

- Intel® Atom™ N270 1.6 GHz
- Windows® 2009
- CF card
- Fanless model only

Ethernet 1 ch
COM 2 ch
USB 2 ch
CF Card
PCI
PCIe
RGB
HDMI
AC
DC

JustRight



Highly compact IPC empowering your applications

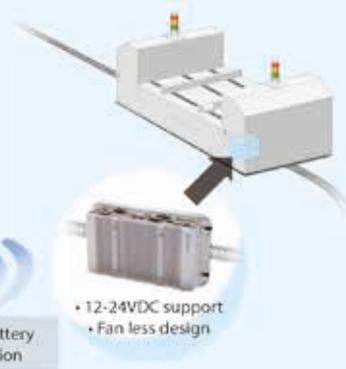
Various interfaces for transparent production processes.



Pro-face mobility solutions for remote access.



Compact size and low power consumption.



For detail specifications, visit our website.

www.pro-face.com/product/ipc/pe4000b/



Industrial Flat Panel Display

FP5000 Series

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

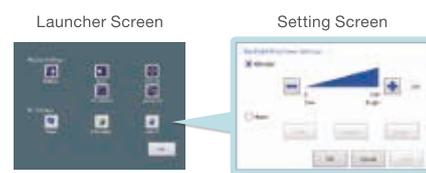


Features



Automatic resolution adjustment

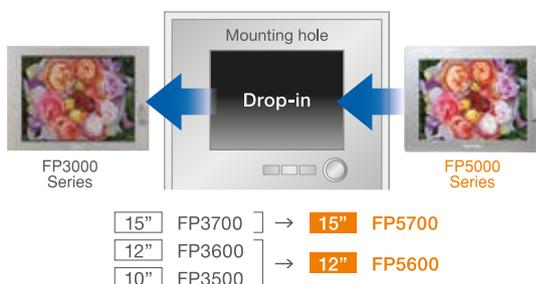
The resolution scalar function assures the best display space usage regardless of PC resolution setting.



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



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 further information, visit our website.
www.proface.eu/product/ipc/fp5000.html



RAOI

Remote Access Over Internet

Remote access to HMI, PLC and drives

Remote access to production facilities is becoming a standard requirement to control production processes. Pro-face keeps adding advanced, yet easy to implement solutions for Industry 4.0. Solutions that can save you time and costs. Where ever you are, receive alarm messages from your production facilities directly on your smart phone.

Save costs by eliminating travelling time and expenses for your technical maintenance staff and shorten production outage time by quick remote intervention on PLCs and drives. With an easy setup of the gateway on Pro-face IPC you can add remote functionality to your existing network infrastructure.



- Secure**
Encrypted connections through Wi-Fi and mobile networks. User authorisation management and access control.
- Cost saving**
Less travel expenses and shorter production outage times.
- Real-time**
Instant access to HMI, PLC and drives for operation and maintenance.
- Easy to set up**
Easy to understand configuration in a central place for all your equipment.
- Around the globe**
Stay connected and take your factory with you to any place in the world.



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.

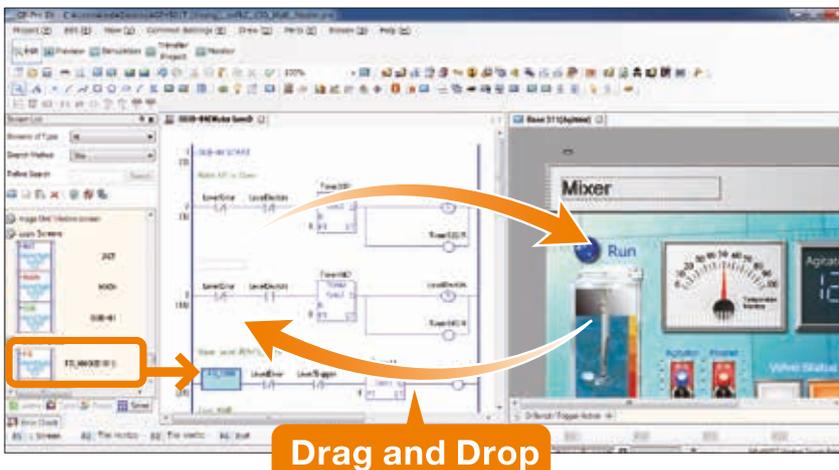


GP-Pro EX

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!

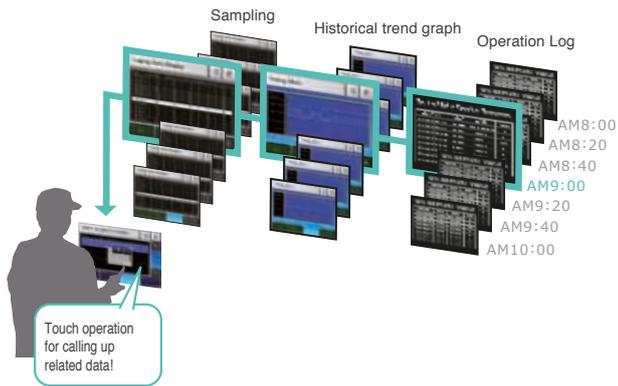
- SP5000 Series support
- Time zone function including summer/winter time
- Pro-face Remote HMI: new functions and GP4000M support
- Communication drivers: Mitsubishi Electric Corporation FX3S Series support

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



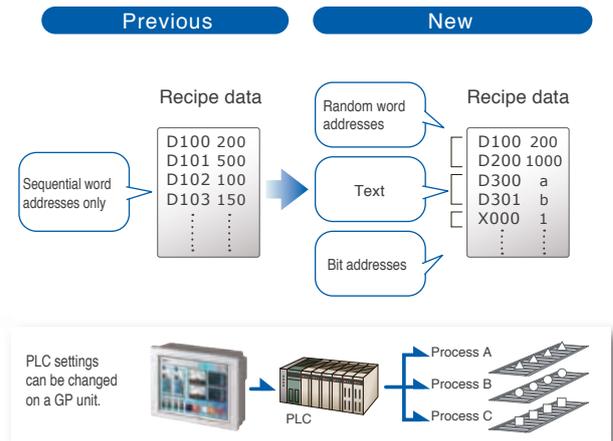
Alarm Analysis

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.



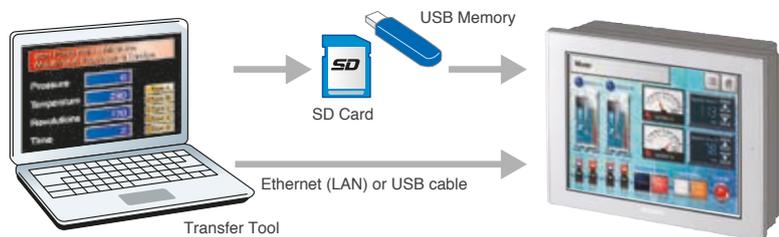
Enhanced Recipes

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



Easy Transfer

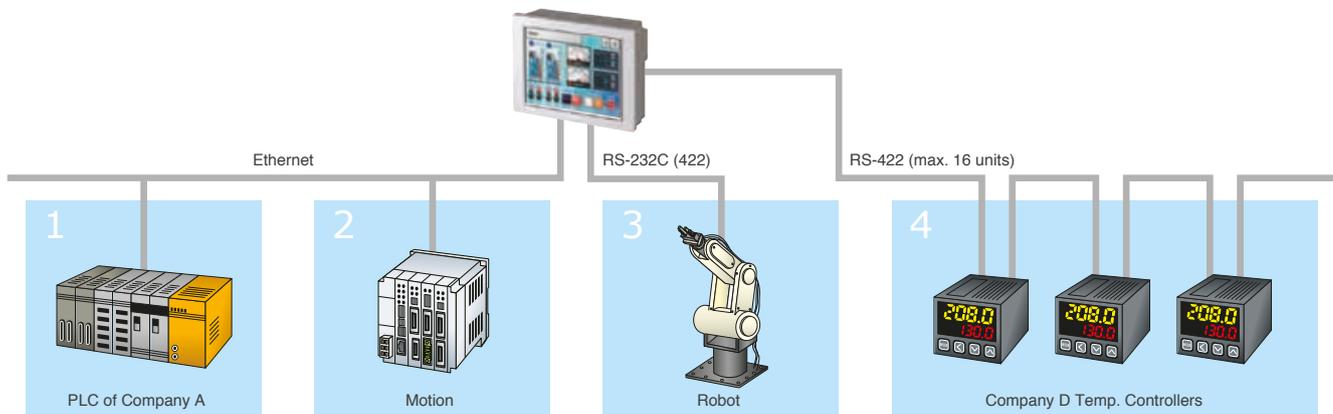
Screen data can be updated by using the data transfer tool, even without a software license.



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 further 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

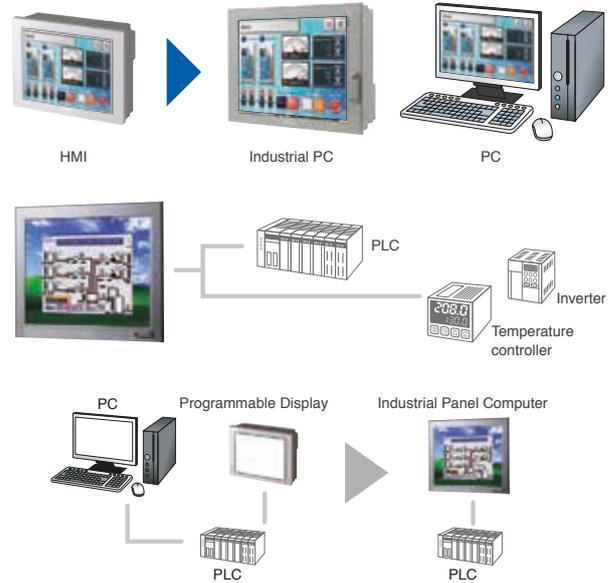
The system configuration which used to be built with PC, HMI and PLC can be built only with IPC and PLC.

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.

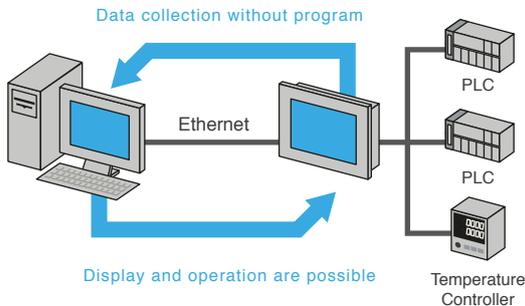
Combination with User Applications

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



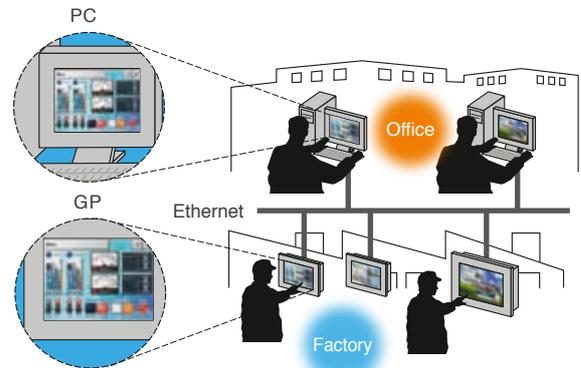
Data Management *Pro-Server EX*

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



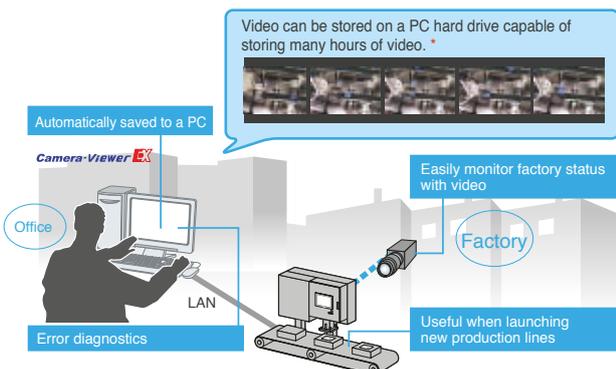
Screen Remote Monitoring *GP-Viewer EX*

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.

Connectable Devices

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

PLC	
Manufacture	Series
ABB	COMLI
Beckhoff Automation GmbH	TwinCAT AMS/ADS
CoDeSys Automation Alliance	CoDeSys SIO, CoDeSys Ethernet, CoDeSys V3.0 Ethernet
Control Techniques Limited	Control Techniques Modbus SIO, Control Techniques Modbus TCP
Control Technology Corp.	2700 Series
Crouzet Automatismes SAS	Millenium 3 Smart Millenium 3 Essential
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, VersaMax Micro, PACSystem RX7i
Hitachi Industrial Equipment Systems Co., Ltd.	H, EH-150, MICRO-EH, Web Controller, EHV
Hitachi, Ltd.	S10V, HIDIC-S10α, S10mini
JTEKT Corporation	TOYOPUC CMP-LINK SIO (TOYOPUC-PC2, TOYOPUC-PC3J, TOYOPUC-PC3JT) TOYOPUC CMP-LINK Ethernet (TOYOPUC-PC3, TOYOPUC-PC10G), TOYOPUC-CMP-LINK Ethernet / SIO
KEYENCE CORPORATION	KV-700/1000/3000/5000/5500, KV Series, Visual KV Series, KV nano
KOYO ELECTRONICS INDUSTRIES CO., LTD.	KOSTAC SG/SU/SZ/PZ3/SR, DL205/305/405, Direct Logic5/06
LS Industrial Systems Co., Ltd.	GLoFA Series, K1000S, K300S, K200S, K120S, K80S, XGK, XGB, XGT,GM1,GM2,GM3,GM4,GM6,GM7,GM7U
MEIDENSHA CORPORATION	UNISEQUE
Mitsubishi Electric Corporation	MELSEC Q(A mode), MELSEC QnA, MELSEC QnU, MELSEC L, MELSEC FX, MELSEC A
Mitsubishi Heavy Industries, Ltd.	DIASYS Netmotion, UP/V
OMRON Corporation	SYSMAC C/α/CV, CS1/CJ1/CJ2/CP1/CP1E/NJ
Panasonic Electric Works SUNX Co., Ltd.	FP7
Rockwell Automation, Inc.	DF1 (SLC500, PLC-5, ControlLogix, MicroLogix, CompactLogix) DH-485 (SLC500, ControlLogix, MicroLogix, CompactLogix) EtherNet/IP (SLC500, PLC-5, ControlLogix, ControlLogix Native, MicroLogix, CompactLogix, CompactLogix Native, FlexLogix, FlexLogix Native)
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, JW100, JW300
SICK AG	Flexi Soft
Siemens AG	SIMATIC S7-200/S7-300/S7-400/, S7-1200, LOGO! Series, 90U - 115U Series, 135U/155U Series, S5 Series
Siemens Building Technologies	SAPHIR
TOSHIBA CORPORATION	T Series, V Series, EX Series
TOSHIBA MACHINE CO., LTD.	TC200, TC200S, TCmini
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
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
CHINO CORPORATION	DB, KP, LT, JU, JW
Fuji Electric Co.,Ltd.	PXH, PXG, PXR(AutoFIX), PXR(NoAutoFIX), PUM
OMRON Corporation	THERMAC NEO, THERMAC R, In-Panel NEO
RKC INSTRUMENT INC.	CB, FB400/FB900, HA400/HA900, MA900, MA901, SRV, SRX, SA100, SA200, SR Mini HG(H-PCP-A), SR Mini HG(H-PCP-AB), SR Mini HG(H-PCP-J), REX-F9000, REX-F, REX-D, REX-G9, REX-P300, REX-P250, REX-AD, REX-PG, AE500, LE100, SRZ(Z-TIO), SRZ(Z-DIO), SRZ(Z-CT), SRZ(Z-COM)
Shinko Technos Co., Ltd.	C, FC, FIR, GC, JC, AC, NC, DC, FCL, PC-900
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
Lenze SE	Lecom 2102 series
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
YASKAWA Electric Corporation	Varispeed AC, Varispeed F7, Varispeed F7S, Varispeed G7, Varispeed L7, VS mini J7, VS mini V7/VS-606V7, A1000, V1000, J1000, Analog Voltage/ Pulse Train Reference Type SERVOPACKS For Rotary Servomotors, Analog Voltage/Pulse Train Reference Type SERVOPACKS For Linear Servomotors, A1000, V1000, J1000 Control Pack Series MEMOCOON GL, SC, MICRO MP900, MP2000, MP3000 SERVOPACK ɛ-V Series
Delta-TAU Data Systems, Inc	PMAC, Turbo PMAC

Industrial Robot	
Manufacture	Series
Denso Wave Incorporated	RC7, RC8
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, BC-R Series, K2 Series
Seiko Epson Corporation	RC700
SMC Corporation	LECA6, LECP6
Yamaha Motor Co., Ltd.	TS-S, TS-X, TS-P
Yaskawa Electric Corporation	DX100, DX200, FS100, FS100L

Other Devices	
Manufacture	Series
Azbil Corporation (formerly Yamatake Corporation)	PBC Series, CMS Series, CMQ-V Series, CMF Series, MPC Series, MVF Series, CML Series, AUR350C Series, AUR450C Series, RX Series
Cognex Corporation	In-Sight 5000 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
ODVA(Open DeviceNet Vendor Association, Inc.)	EtherNet/IP communication devices Devicenet Slave, EtherNet/IP Explicit Messaging Driver

For further information, visit our website.

www.proface.eu/product/soft/gpproex/driver/driver.html



Pro-face

by Schneider Electric

We are always striving to bring you the high quality interface designed to provide a cohesive, evolving connection between customers and high quality products, service and support from around the world.

All *eyes* on the customer make us "the best interface"

*i*ntimacy

Connect intimately with our customers and stakeholders

*i*nteraction

Enhance customer experience through positive interaction

*i*nnovation

Provide benefits to our customers through innovation

⚠ WARNING

HAZARD OF OPERATOR INJURY, OR UNINTENDED EQUIPMENT DAMAGE

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

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

- For printing purposes, the colors in this catalog may differ from those of the actual unit.
- Actual user screens may differ from the screens shown here.
- Electric equipment should be installed, operated, serviced, and maintained only by qualified personnel. No responsibility is assumed by Digital for any consequences arising out of the use of this material.
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Europe
Pro-face Europe B.V.
Hoofddorp, THE NETHERLANDS
Tel: +31 (0)23 55 44 099
Fax: +31 (0)23 55 44 090
www.proface.nl
info@proface.nl

France
Pro-face France S.A.S.
Mitry-Mory, FRANCE
Tel: +33 (0)1 60 21 22 91
Fax: +33 (0)1 60 21 22 92
www.proface.fr
info@proface.fr

Spain and Portugal
Pro-face España
Cardedeu (Barcelona), SPAIN
Tel: +34 (0)93 846 07 45
Fax: +34 (0)93 845 48 68
www.proface.es
info@proface.es

Japan (Global Headquarter)
Pro-face Japan
Osaka, JAPAN
Tel: +81 (0)6 6208 3133
Tel: +81 (0)6 6208 3132
www.pro-face.com
info@proface.com

India
Pro-face India
Bangalore, INDIA
Tel: +91 80 4333 3540/3541
Fax: +91 80 4333 3222
www.proface.co.in
sales.proface@proface.co.in

Singapore
Pro-face Singapore
TechPoint, Singapore
Tel: +65-6832-5533
Fax: +65-6415-1605
www.proface.sg
info@proface.sg

Austria
Pro-face Europe B.V. (Austria Office)
Leonding, AUSTRIA
Tel: +43 732 6933-0
Fax: +43 732 6933-840
www.proface.at
info@proface.at

Germany
Pro-face Deutschland GmbH
Solingen, GERMANY
Tel: +49 (0)212 258 260
Fax: +49 (0)212 258 2640
www.proface.de
info@pro-face.de

Switzerland
Pro-face Schweiz GmbH
Ittigen, SWITZERLAND
Tel: +41 (0)43 343 7272
Fax: +41 (0)43 343 7279
www.proface.ch
info@proface.ch

America
Pro-face America, Inc.
Ann Arbor, MI U.S.A
Tel: +1 734 477 0600
Fax: +1 734 864 7347
www.profaceamerica.com
info@profaceamerica.com

Indonesia
Pro-face Indonesia
Jakarta, Indonesia
Tel / Fax: +62 21 750 4496
www.proface.co.id
info@proface.co.id

Taiwan
Pro-face Taiwan
Taipei, TAIWAN
Tel: +886 (0)2 2657 1121
Fax: +886 (0)2 2657 1021
www.proface.com.tw
proface@proface.com.tw

Benelux
Pro-face Europe B.V.
Hoofddorp, Netherlands
Tel: +31 (0)23 55 44 094
Fax: +31 (0)23 55 44 090
www.proface.nl
info@proface.nl

Italy
Pro-face Italia S.p.a.
Bovisio Masciago (Milano), ITALY
Tel: +39 (0)362 59 96 1
Fax: +39 (0)362 59 96 69
www.proface.it
info@proface.it

United Kingdom
Pro-face UK Ltd
Coventry, ENGLAND
Tel: +44 (0)2476 511288
Fax: +44 (0)2476 511499
www.proface.co.uk
info@proface.co.uk

Australia and New Zealand
Pro-face Australia
Mt. Waverley, AUSTRALIA
Tel: +61 (0)3 9550 7396
Fax: +61 (0)3 9550 7390
www.pro-face.com.au www.pro-face.co.nz
pfau@pro-face.com

Korea
Pro-face Korea Co., Ltd.
Seoul, SOUTH KOREA
Tel: +82 (0)2 2630 9850
Fax: +82 (0)2 2630 9860
www.proface.co.kr
proface@proface.co.kr

Denmark / Sweden
Pro-face Northern Europe ApS
Roskilde, DENMARK
Tel: +45 70 22 01 22
Fax: +45 70 22 01 33
www.proface.dk
info@proface.dk

Poland
Pro-face Europe B.V. (Warsaw Office)
Warszawa, POLAND
Tel: +48 (22) 465 66 62
Fax: +48 (22) 465 66 67
www.proface.pl
info@proface.pl

China
Pro-face China International Trading Co., Ltd.
Shanghai, P. R. CHINA
Tel: +86 (0)21 6361 5175
Fax: +86 (0)21 6361 5176
www.proface.com.cn
proface@proface.com.cn

South-East Asia Pacific
Pro-face South-East Asia Pacific Co., Ltd.
Bangkok, THAILAND
Tel: +66 (0)2 617 5678
Fax: +66 (0)2 617 5688
www.proface.co.th
pfsales@proface.co.th