Product Guide
2014

Corporate and Product Information

for the best interface

Touch HMI

Touch PLC

Industrial PC / Flat Panel Display

Software

Pro-face

for the best interface

Contents

Pro-face 2014 New face

Pro-face Remote HMI

Monitoring Anywhere of Large/Long Equipment

Using the remote monitoring and operation functions, actions that previously required multiple staff for a large-sized machine or long-distance application can be easily accomplished by fewer operators.

*Please check equipment status and maintain conditions for machine safety to avoid unintended equipment operation.
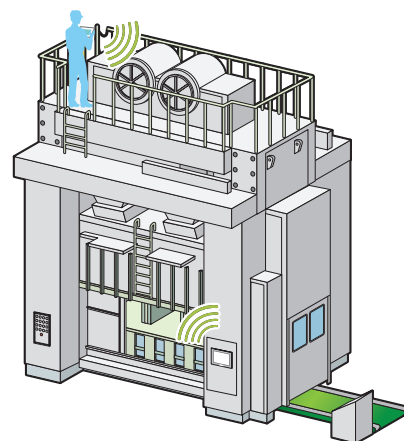
Troubleshooting before running to troubled machine

You can confirm possible causes of errors to prepare for necessary actions and tools before running down to the point of the problem.

LT4000M Series

Flexible installation choices for separated or integrated configurations

Use a separation cable* to install the control unit on a DIN rail and the operation unit in a different location.
Operation unit is space-saving, and it allows you to install the unit flexibly even though it is difficult to install it due to limitations of space.

*Requires separate an option cable.

Operation section

On a DIN rail

To operation unit

Control section
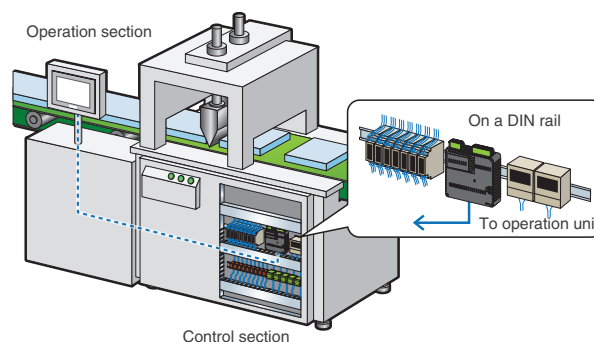
Compact size provides comprehensive interface options and a crisp display

High-quality 65,536-color TFT display and realistic 3D graphics let you create easy-to-read detailed operation screens.
Control unit provides DIO/AIO input/output as well as USB for connecting peripheral devices, serial port for PLCs or other controllers, and Ethernet for network connection.

Touch HMI Multi-Driver

The new GP4000 Series brings high performance with a wide variety of size from 12.1" to 3.4"

12.1" Standard Model

GP-460xT

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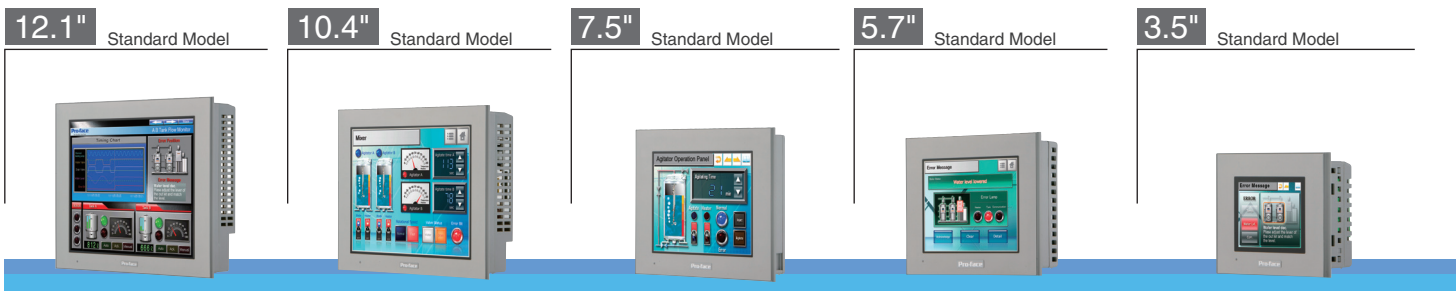- Built-in Control Program
- Replaceable Battery
- W315 x H241 x D56 mm
  [W12.4 x H9.49 x D2.2 in.]

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

Coated models are available
COM-isolated models are available

10.4" Standard Model

GP-450xT

- 65,536-color TFT
- 640 × 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

7.5" Standard Model

GP-4401T

- 65,536-color TFT
- 640 × 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

5.7" Standard Model

GP-430xT

- 65,536-color TFT
- 320 × 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

3.5" Standard Model

GP-420xT

- 65,536-color TFT
- 320 × 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 × 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 × 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

3.4" Compact Type

GP-4100

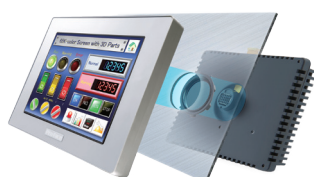- 16-shades Mono
- 3-color Switchable Backlight
- 200 × 80 pixels
- Analog Touch Panel
- Application 2.2MB
- Data Backup 128KB
- W116 x H77.5 x D28 mm
  [W4.59 x H3.05 x D1.1 in.]

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

COM-isolated models are available

*1: GP-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 × 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.]

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

GP-4401WW

- 65,536-color TFT
- 800 × 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.]

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

GP-4301TW

- 65,536-color TFT
- 320 × 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.]

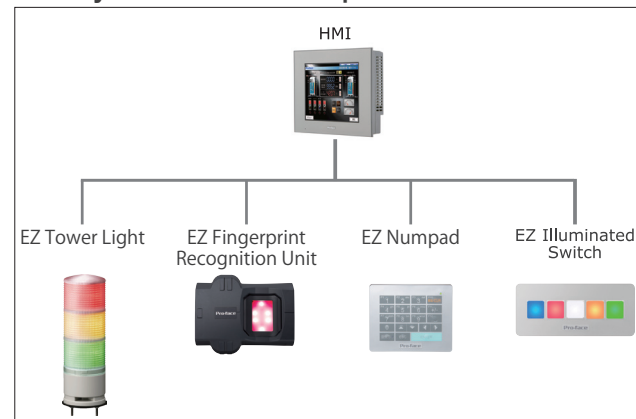| Ethernet |
| COM 2 ch |
| SD Card |
| USB (Host) | USB (Device) |
| AC | DC |

Coated models are available

GP-4201TW

- 65,536-color TFT
- 320 × 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.]

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

Easily connect multiple USB devices

HMI

EZ Tower Light | EZ Fingerprint Recognition Unit | EZ Numpad | EZ Illuminated Switch

Mobile Remote Monitoring of HMI (Pro-face Remote HMI)

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

Rear-mounting HMI, Integrates into Machine Design

GP4000 Series
Rear-mount Model

Size	12.1"	10.4"	7.5"	5.7"

GP4000 Series Rear-mount Models are DC power and analog touch panel models only.

Corrosion-resistant Board Coating for Environmental Requirement

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

Compatibility with Equipment Design or Customer Corporate Brand

GP4000 Series Color Variation

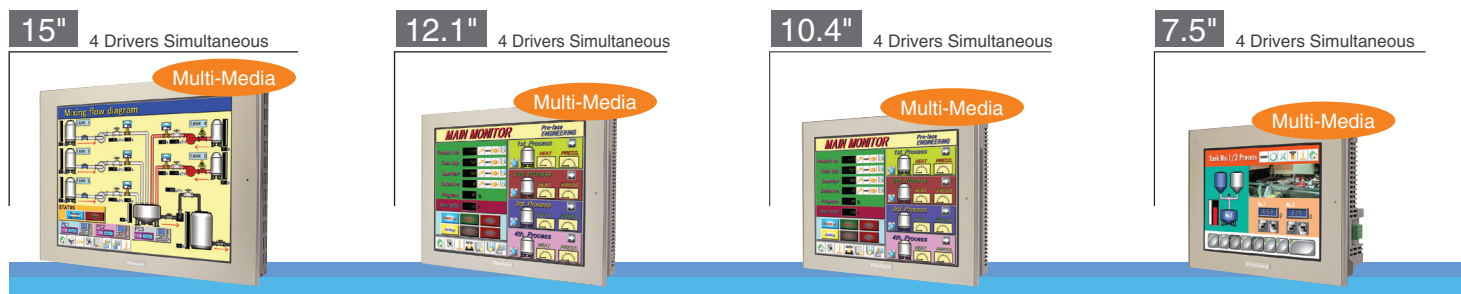| Silver PANTONE 8401C | Off-white PANTONE Cool Gray 1C | Beige PANTONE 7535C | Black PANTONE 432C |

For further informations, visit our website.
www.proface.eu/product/hmi/gp4000.html

Touch HMI Multi-Driver and Multi-Media

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

15" 4 Drivers Simultaneous — Multi-Media

12.1" 4 Drivers Simultaneous — Multi-Media

10.4" 4 Drivers Simultaneous — Multi-Media

7.5" 4 Drivers Simultaneous — Multi-Media

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.]

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

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.]

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

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.]

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

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.]

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

Event Occurrence

Error!

0   30   60   90   120 (seconds)

60 seconds   **60** seconds

At the point of event occurrence, video is recorded and saved for a maximum of 60 seconds before and after the event.

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	

Handy Touch HMI Muti-Driver

5.7" 2 Drivers Simultaneous

5.7" 2 Drivers Simultaneous

Multi-Media

AGP-3360T
- 65,536-color TFT
- 640 × 480 pixels (VGA)
- Analog Touch Panel
- Application 8MB
- Data Backup 320KB
- Built-in Control Program
- W167.5 x H135 x D59.5 mm
  [W6.59 x H5.31 x 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-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 x H135 x D59.5mm
  [W6.59 x H5.31 x 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 x H174 x D87.1 mm
  [W8.82 x H6.85 x 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 x H174 x D87.1 mm
  [W8.82 x H6.85 x 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

High brightness models minimizing reflection to the features from a larger sized model provide high visibility even in well-lit locations

[High brightness model]   [Standard model]

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.

Released	OFF
Intermediate	ON
Fully pressed	OFF

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

Touch PLC FieldBus I/Os

AGP3000 Series: HMI+PLC

12.1" 4 Drivers Simultaneous

10.4" 4 Drivers Simultaneous

7.5" 4 Drivers Simultaneous

AGP-3600T
- 65,536-color TFT
- 800 × 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 × 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-3500T
- 65,536-color TFT
- 640 × 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

AGP-3400T
- 65,536-color TFT
- 640 × 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 × 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		—

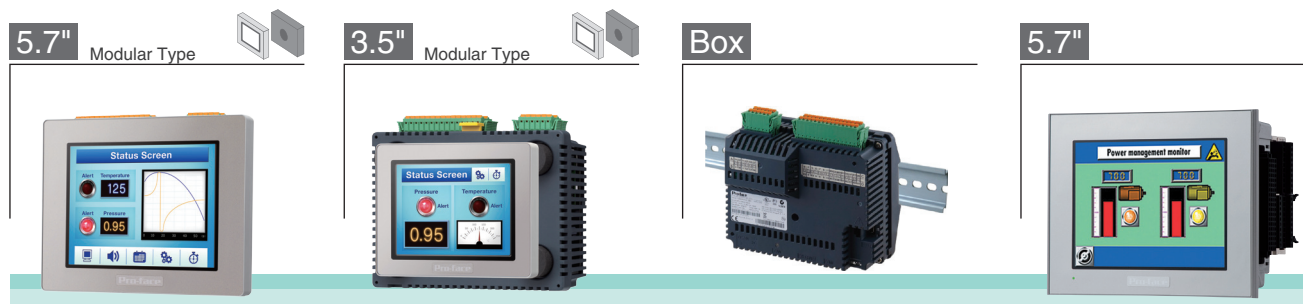| International Safety Standards* *For details, visit our website.	AC Models	
	DC Models	

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

LT4000M Series, LT3000 Series: HMI+PLC

5.7" Modular Type	3.5" Modular Type	Box	5.7"

LT-4301TM
- 65,536-color TFT
- 320 × 240 pixels (QVGA)
- Analog Touch Panel
- Application 16MB
- Data Backup 256KB
- 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 × 240 pixels (QVGA)
- Analog Touch Panel
- Application 16MB
- Data Backup 256KB
- 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 256KB
- 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 × 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)

Industrial PCs and Industrial Flat Panel Display

Industrial PCs (Built-to-order for your requirements)

	PS-4800	PS-4700	PS-4700 (Embedded model)	PS-4600	PS-4000B
Bezel	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	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	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	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)	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 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)	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 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	1	2	2
Interface — LAN	2	2	1	2	2
Interface — CF	1	1	1	—	1
Interface — CFast	—	—	—	1	—
Interface — DVI-I	1	1	—	1	1
Interface — 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 ★	DVD Multi drive ★ / HDD ★ / SSD ★
Expansion Option — I/F Port	RS-232C/422/485 UPS	RS-232C/422/485 UPS	Ethernet	RS-232C/422/485 UPS ★	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.

http://www.pro-face.com/product/ipc/ps4000/

Industrial Flat Panel Display

19"	15"	12.1"	10.4"

FP-3900T
- 1,280 x 1,024 pixels (SXGA)
- Front USB Interface (FP3900-T41-U)
- Rear USB Interface
- DVI-D, Analog RGB input
- W460 x H390 x D77.7 mm
  [W18.11 x H15.35 x D3.06 in.]

FP-3710T
- 1,024 x 768 pixels (XGA)
- Front USB Interface (FP3710-T42-U)
- Rear USB Interface
- DVI-D, Analog RGB input
- W395 x H294 x D60 mm
  [W15.55 x H11.57 x D2.36 in.]

FP-3650T/3600T
- 1,024 x 768 pixels (XGA),
  800 x 600 pixels (SVGA)
- Rear USB Interface
- DVI-D, Analog RGB input
- W317 x H243 x D58 mm
  [W12.48 x H9.57 x D2.28 in.]

FP-3500T
- 640 x 480 pixels (VGA)
- Rear USB Interface
- DVI-D, Analog RGB input
- W317 x H243 x D58 mm
  [W12.48 x H9.57 x D2.28 in.]

COM	
Analog RGB	DVI-D
USB (Host)*	USB (Device)
AC	DC

*FP3900-T41-U only

COM	
Analog RGB	DVI-D
USB (Host)*	USB (Device)
AC	DC**

*FP3710-T42-U only
**FP-3710T only

COM	
Analog RGB	DVI-D
USB (Host)	USB (Device)
AC	DC*

Coated models are available
*FP-3600T only

COM	
Analog RGB	DVI-D
USB (Host)	USB (Device)
AC	DC

Regarding the acquisition of the international safety standards, visit Pro-face website.

## 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.

HMI   Industrial PC   PC

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.

PLC
Inverter
Temperature controller
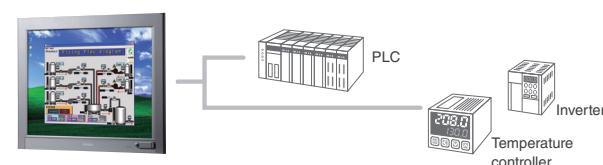
Downsize System Space

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

PC   Programmable Display   Industrial Panel Computer
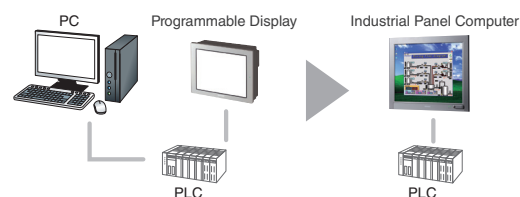
Combination with User Applications

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

PLC   PLC

Software

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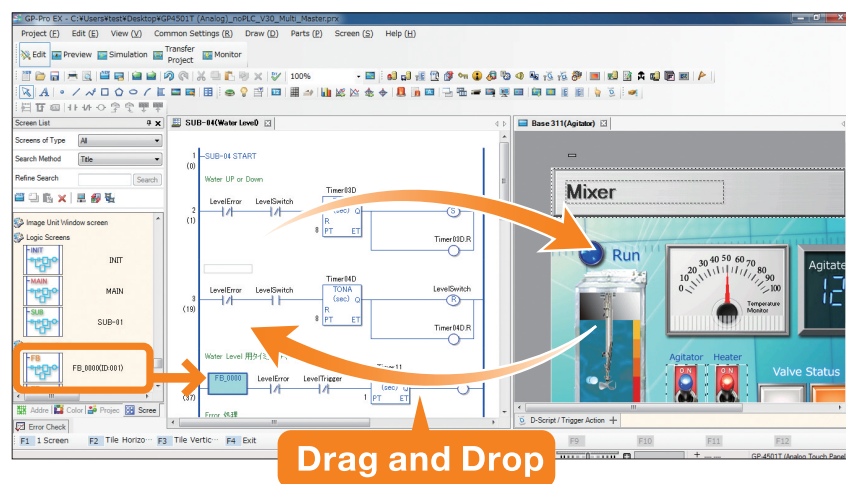
Function Block control programming also eases your control system design with frequently used and specially defined control functions.

GP-Pro EX

Drag and Drop

GP-Pro EX Ver.3.6 now available!!

- Remote HMI: new functions and LT4000M support
- LT4000M: display-less operation
- EZ Numpad support
- Windows 8 support
- Others

GP-Pro EX Features

Quickly understand detailed differences between similar project files

Project Comparison Tool allows easy yet detailed comparison of two screen-project files for updating and modifying customer applications. Differences for each part attribute, alarm message, or setup item are displayed.

Screen B1		A	B
Parts 1	Address	X0001	X0002
	Shape	Circle	Square
	Action	Momentary	Alternate
	Label	Run	Run

Multi-version File Format Support for Screen Project Files

Screen project files edited in version 3.1 of GP-Pro EX can also be saved in version 3.0 format to facilitate screen data handling among personnel with different responsibilities such as testing engineers, factory installation technicians, and maintenance engineers.
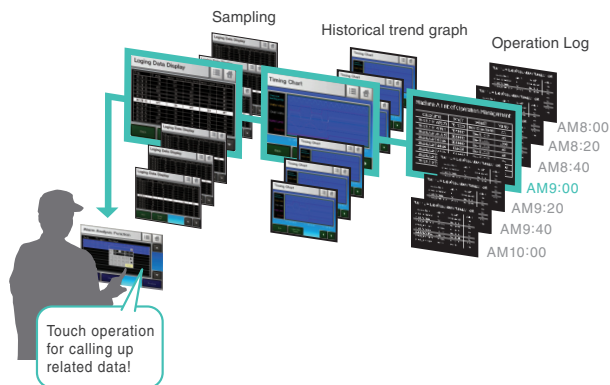

Ver. 3.1

Ver. 3.1

Ver. 3.0
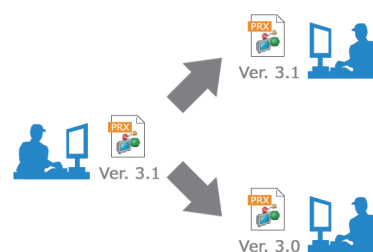
More New Features

- Change password during on-line operation
- Extended text search and replacement
- Range Setting on Word Switch
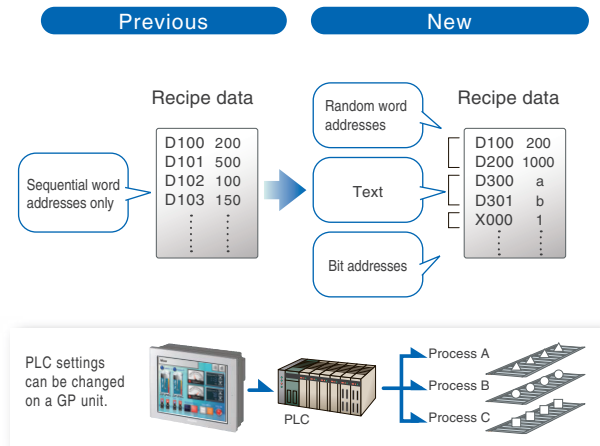- Selectable SRAM Back-up Data Modes for Screen Data Transfer

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.

Sampling

Historical trend graph

Operation Log

AM8:00
AM8:20
AM8:40
AM9:00
AM9:20
AM9:40
AM10:00

Touch operation for calling up related data!

Enhanced Recipes

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

Previous   New

Recipe data   Random word addresses   Recipe data

Sequential word addresses only

D100 200
D101 500
D102 100
D103 150

Text

Bit addresses

D100 200
D200 1000
D300 a
D301 b
X000 1

PLC settings can be changed on a GP unit.

PLC

Process A
Process B
Process C

Easily Transfer

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

USB Memory

SD Card

Ethernet (LAN) or USB cable
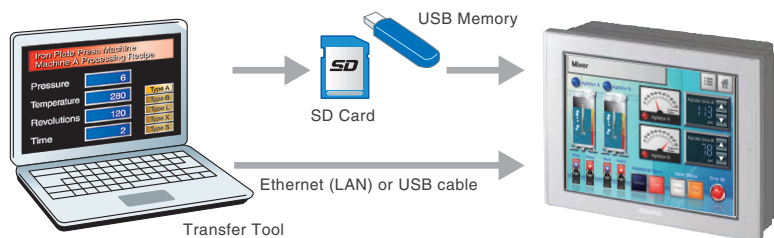
Transfer Tool

The data transfer tool can be downloaded for free from the Web

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.

Ethernet   RS-232C (422)   RS-422 (max. 16 units)

1 PLC of Company A

2 Motion

3 Robot

4 Company D Temp. Controllers
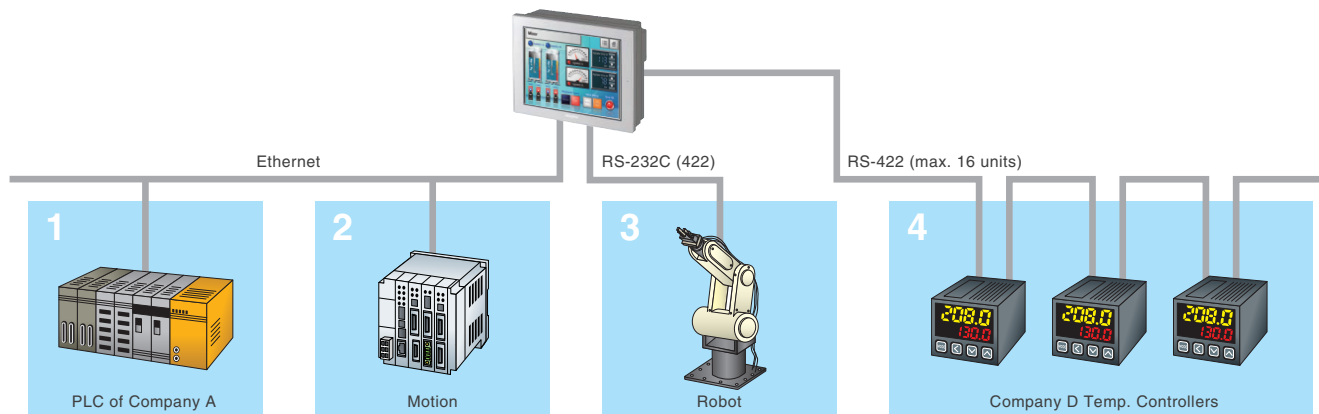
For further informations, visit our website.

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

Remote Monitoring of On-site Situations in Real-time

Pro-face Remote HMI

Efficiently and effectively monitor machines on the factory floor

Check the status of a machine with a touch of the tablet or smartphone already in your hand.
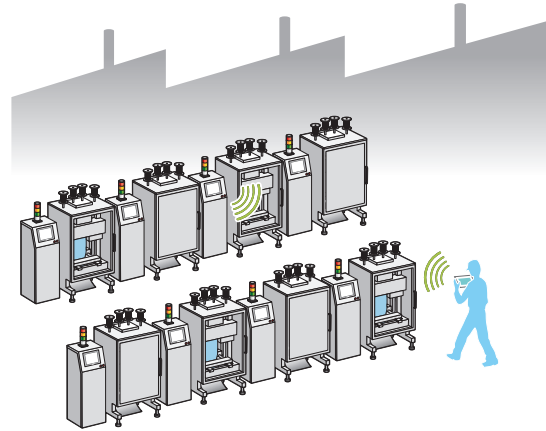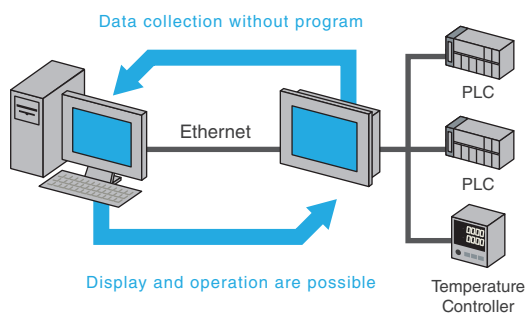In a production site with multiple machines, you can reduce regular maintenance, and confirm remaining material supply or other machine information without moving between machines.

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

Data collection without program

Ethernet

PLC

PLC

Display and operation are possible

Temperature Controller

Screen Remote Monitoring *GP-Viewer EX*

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

PC

Office

GP

Ethernet

Factory
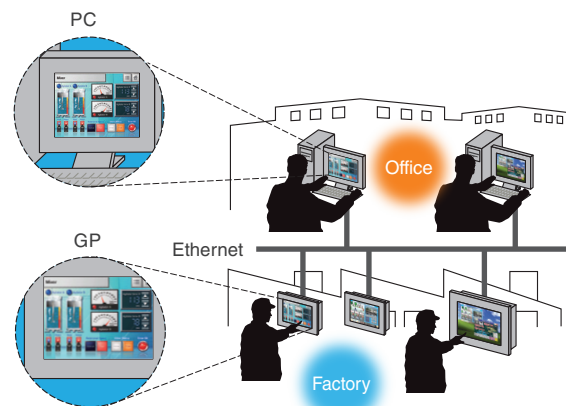
Camara Remote Monitoring *Camera-Viewer EX*

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

Video can be stored on a PC hard drive capable of storing many hours of video. *

Automatically saved to a PC

Camera-Viewer EX

Office

Factory

LAN

Easily monitor factory status with video

Error diagnostics

Useful when launching new production lines
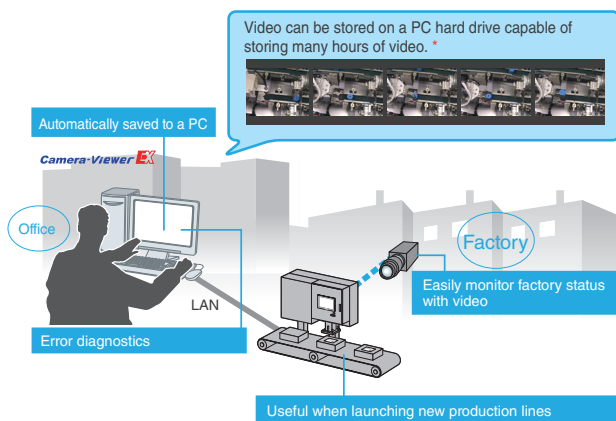
* A brief delay of about one second may occur during real-time monitoring.

Remote PC Access *RPA*

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

Web!

PDF!
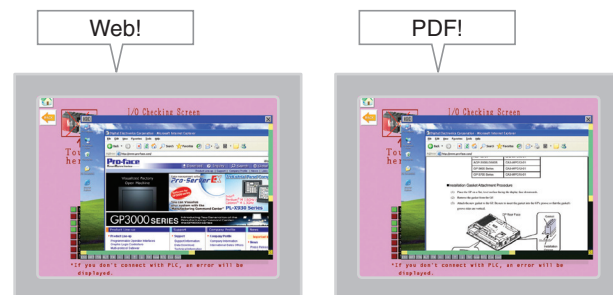
*1 To use Pro-Server EX, separate software must be purchased.   *2 To use GP-Viewer EX, Camera-Viewer EX, WinGP, RPA, a separate license must be purchased.

Connectable Devices

For further information of supported models and options, and cable diagrams, refer to 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
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-PC2/PC3J/PC3JT/PC3/PS10G
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 Logic05/06
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 Q, MELSEC L, MELSEC FX, MELSEC A
Mitsubishi Heavy Industries, Ltd.	DIASYS Netmation, UP/V
OMRON Corporation	SYSMAC C/α/CV, CS1/CJ1/CJ2/CP1/CP1E/NJ
Panasonic Electric Works SUNX Co., Ltd.	FP
Rockwell Automation, Inc.	SLC500, PLC-5, ControlLogix, MicroLogix, CompactLogix
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
YASKAWA Electric Corporation	Control Pack, MP900, MP2000, MP3000, MEMOCON GL, MEMOCON SC, MEMOCON Micro
Yokogawa Electric Corporation	FA-M3, FCN, FCJ
Crouzet Automatismes SAS	Millenium 3 Smart Millenium 3 Essential

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-A/B), 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, CutyAxis2, CutyAxis3
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, 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)
Delta-TAU Data Systems, Inc	PMAC, Turbo PMAC

Industrial Robot

Manufacture	Series
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
Yamaha Motor Co., Ltd.	TS-S, TS-X, TS-P
Yaskawa Electric Corporation	DX100, DX200, FS100
SMC Corporation	LECA6, LECP6
Denso Wave Incorporated	RC7, RC8

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
Modbus-IDA	MODBUS Compatible External Device, MODBUS Slave Device
ODVA(Open DeviceNet Vendor Association, Inc.)	EtherNet/IP communication devices
Seiko Epson Corporation	RC700

For further informations, visit our website.
www.proface.eu/product/soft/gpproex/driver/driver.html

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Pro-face

for the best interface

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 e*i*es 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 instruction can result in death or serious injury, 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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