

# Product Guide

- | Touch Operator Interface
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HMI Runtime Engine for PC

# GP4000 SERIES The New Pro-face Standard

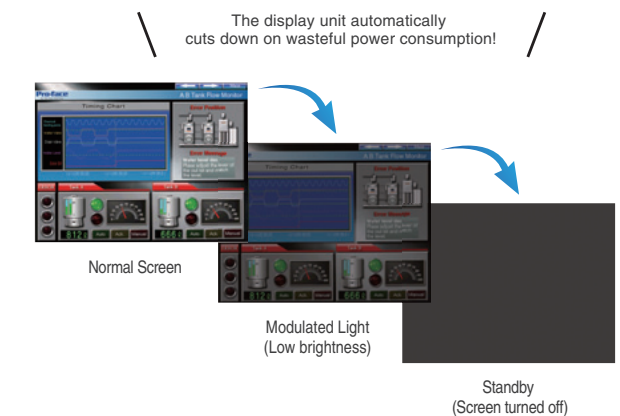
## Easy to Identify, Easy to Use

With the standard 65,536-color TFT display, you can use "3D Real Parts" to easily monitor operating conditions and environments in real time.



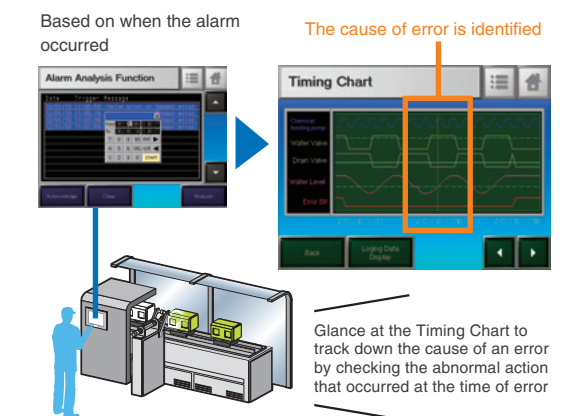
## Energy Saving

The GP4000 Series is equipped with an LED-backlit LCD screen and features a dimmer setting for power saving.



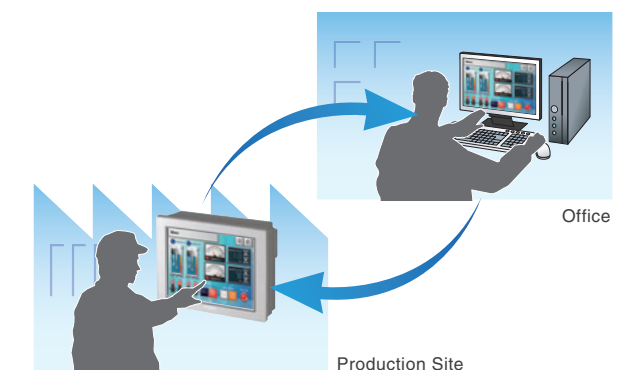
## Quick On-site Recovery

The Alarm Analysis function allows you to easily find out where an error has occurred and what conditions lead to the error.



## Remote Monitoring

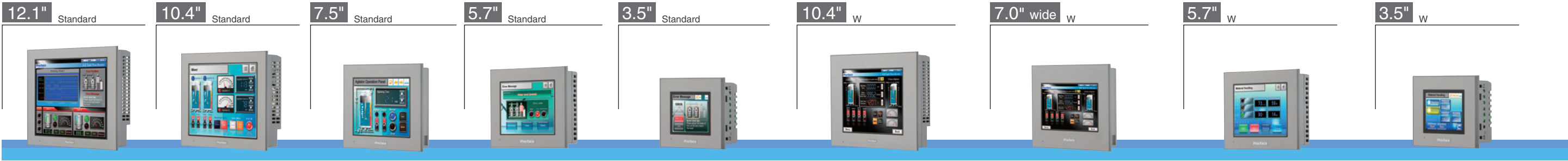
With its standard Ethernet interface, the GP4000 Series allows you to easily collect production site data from your office PC.





# Touch Operator Interface

The new GP4000 Series brings high performance with an even more user-friendly interface.



## GP-460xT

- 65,536-color TFT
- 16-level Brightness
- 800 × 600 pixels (SVGA)
- Analog or Matrix Touch Panel
- Application 32MB
- Data Backup 320KB
- Control feature is available
- Replaceable Battery

- 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
- 16-level Brightness
- 640 × 480 pixels (VGA)
- Analog or Matrix Touch Panel
- Application 32MB
- Data Backup 320KB
- Control feature is available
- Replaceable Battery

- 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
- 16-level Brightness
- 640 × 480 pixels (VGA)
- Analog Touch Panel
- Application 32MB
- Data Backup 320KB
- Control feature is available
- Replaceable Battery

- 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
- 16-level Brightness
- 320 × 240 pixels (QVGA)
- Analog Touch Panel
- Application 16MB
- Data Backup 320KB
- Control feature is available
- Replaceable Battery

- 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
- 16-level Brightness
- 320 × 240 pixels (QVGA)
- Analog Touch Panel
- Application 16MB
- Data Backup 320KB
- Control feature is available

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

COM-isolated models are available

## GP-4501TW

- 65,536-color TFT
- 8-level Brightness
- 640 × 480 pixels (VGA)
- Analog Touch Panel
- Application 16MB
- Data Backup 128KB
- Control feature is available

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

Coated models are available

## GP-4401WW

- 65,536-color TFT
- 8-level Brightness
- 800 × 480 pixels (WVGA)
- Analog Touch Panel
- Application 16MB
- Data Backup 128KB
- Control feature is available

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

Coated models are available

## GP-4301TW

- 65,536-color TFT
- 8-level Brightness
- 320 × 240 pixels (QVGA)
- Analog Touch Panel
- Application 8MB
- Data Backup 128KB
- Control feature is available

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

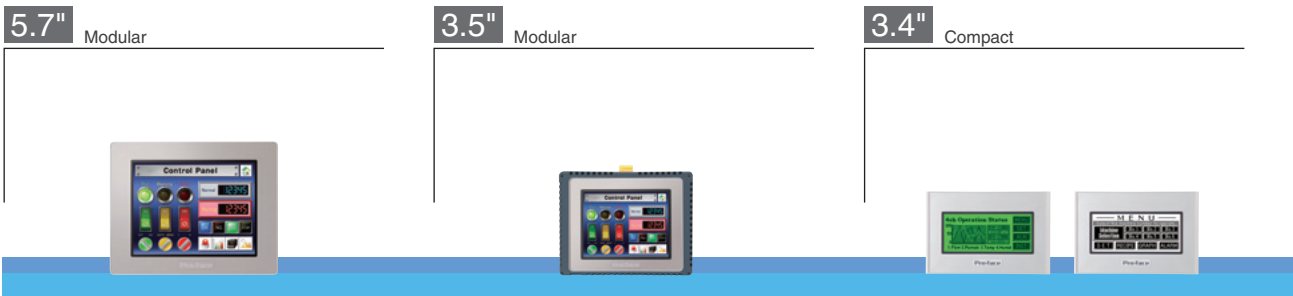
Coated models are available

## GP-4201TW

- 65,536-color TFT
- 8-level Brightness
- 320 × 240 pixels (QVGA)
- Analog Touch Panel
- Application 8MB
- Data Backup 128KB
- Control feature is available

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

Coated models are available



## GP-4301TM

- 65,536-color TFT
- 16-level Brightness
- 320 × 240 pixels (QVGA)
- Analog Touch Panel
- Application 8MB
- Data Backup 128KB

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

Coated models are available

## GP-4201TM

- 65,536-color TFT
- 16-level Brightness
- 320 × 240 pixels (QVGA)
- Analog Touch Panel
- Application 8MB
- Data Backup 128KB

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

Coated models are available

## GP-4100

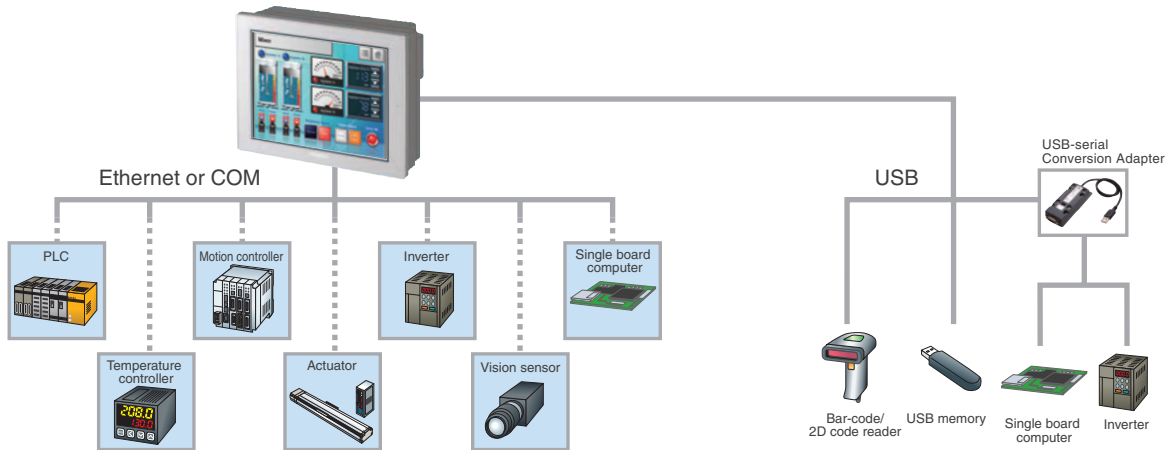
- 16-shades Mono
- 16-level Brightness
- 3-color Switchable Backlight
- 200 × 80 pixels
- Analog Touch Panel
- Application 2.2MB
- Data Backup 128KB

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

COM-isolated models are available

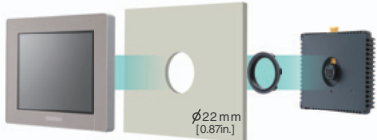
\*1: GP-4104 only  
\*2: Excluding GP-4104

The GP4000 Series connects directly to a wide range of devices.



See page 14 for a list of connectable devices.

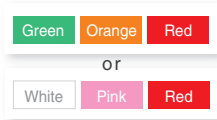
Modular Type for Easy Mounting  
(GP-4301TM/GP-4201TM)



Super-small Display for Various Applications (GP-4100)



\*Select between two patterns of 3-color switchable backlights



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



For detailed specifications, visit our website.

<http://www.pro-face.com/product/hmi/>

# Touch Operator Interface

The GP3000 Series is available in a wide variety of sizes from 3.8" to 15".



## GP-3750T

- 65,536-color TFT
- 8-level Brightness
- 1,024 × 768 pixels (XGA)
- Analog Touch Panel
- Application 16MB\*
- Data Backup 320KB
- Control feature is available

- 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

## GP-3650U/T

- 65,536-color TFT
- GP-3650U is ultra high-brightness model
- 8-level Brightness
- 800 × 600 pixels (SVGA)
- Analog Touch Panel
- Application 10MB
- Data Backup 320KB
- Control feature is available

- 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

## GP-3600T

- 65,536-color TFT
- 8-level Brightness
- 800 × 600 pixels (SVGA)
- Analog Touch Panel
- Application 16MB
- Data Backup 320KB
- Control feature is available

- 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

## GP-3560T

- 65,536-color TFT
- 8-level Brightness
- 800 × 600 pixels (SVGA)
- Analog Touch Panel
- Application 10MB
- Data Backup 320KB
- Control feature is available

- 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

## GP-3550T

- 65,536-color TFT
- 8-level Brightness
- 640 × 480 pixels (VGA)
- Analog Touch Panel
- Application 10MB
- Data Backup 320KB
- Control feature is available

- 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

## GP-3510T

- 65,536-color TFT
- 8-level Brightness
- 800 × 600 pixels (SVGA)
- Analog Touch Panel
- Application 16MB
- Data Backup 320KB
- Control feature is available

- 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

## GP-3500T

- 65,536-color TFT
- 8-level Brightness
- 640 × 480 pixels (VGA)
- Analog Touch Panel
- Application 16MB
- Data Backup 320KB
- Control feature is available

- 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

## GP-3500L

- 16-shades Mono
- 8-level Brightness
- 640 × 480 pixels (VGA)
- Analog Touch Panel
- Application 16MB
- Data Backup 320KB
- Control feature is available

- 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

## GP-3450T

- 65,536-color TFT
- 8-level Brightness
- 640 × 480 pixels (VGA)
- Analog Touch Panel
- Application 10MB
- Data Backup 320KB
- Control feature is available

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

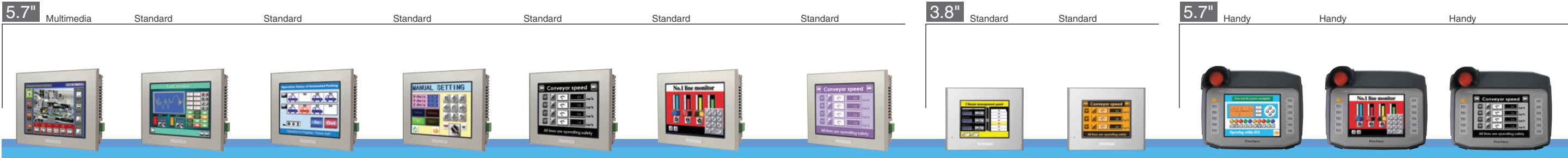
Coated models are available

## GP-3400T/S

- 65,536-color TFT
- 4,096-color STN
- 8-level Brightness
- 640 × 480 pixels (VGA)
- Analog Touch Panel
- Application 16MB
- Data Backup 320KB
- Control feature is available

- 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



## GP-3360T

- 65,536-color TFT
- 8-level Brightness
- 640 × 480 pixels (VGA)
- Analog Touch Panel
- Application 8MB
- Data Backup 320KB
- Control feature is available

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

## GP-3310T

- 65,536-color TFT
- 8-level Brightness
- 640 × 480 pixels (VGA)
- Analog Touch Panel
- Application 8MB
- Data Backup 320KB
- Control feature is available

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

## GP-3300U

- 65,536-color TFT
- Ultra high-brightness model
- 8-level Brightness
- 320 × 240 pixels (QVGA)
- Analog Touch Panel
- Application 6MB
- Data Backup 320KB
- Control feature is available

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

## GP-3300T/S

- 65,536-color TFT
- 4,096-color STN
- 8-level Brightness
- 320 × 240 pixels (QVGA)
- Analog Touch Panel
- Application 6MB
- Data Backup 320KB
- Control feature is available

- 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

## GP-3300L

- 16-shades Mono
- 8-level Brightness
- 320 × 240 pixels (QVGA)
- Analog Touch Panel
- Application 6MB
- Data Backup 320KB
- Control feature is available

- 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

## GP-3301S/L

- 4,096-color STN
- 16-shades Mono
- 8-level Brightness
- 320 × 240 pixels (QVGA)
- Analog Touch Panel
- Application 6MB
- Data Backup 320KB
- Control feature is available

- 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

## GP-3302B

- 16-shades Blue-mode Mono
- 8-level Brightness
- 320 × 240 pixels (QVGA)
- Analog Touch Panel
- Application 6MB
- Data Backup 128KB

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

## GP-3200T

- 256-color TFT
- 16-level Brightness
- 320 × 240 pixels (QVGA)
- Analog Touch Panel
- Application 6MB
- Data Backup 320KB

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

Coated models are available

## GP-3200A

- 8-shades Mono
- 16-level Brightness
- Amber/ Red Backlight
- 320 × 240 pixels (QVGA)
- Analog Touch Panel
- Application 6MB
- Data Backup 320KB

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

## GP-3310HT

- 65,536-color TFT
- 16-level Brightness
- 640 × 480 pixels (VGA)
- Analog Touch Panel
- Application 8MB
- Data Backup 320KB

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

## GP-3300HS

- 4,096-color STN
- 16-level Brightness
- 320 × 240 pixels (QVGA)
- Analog Touch Panel
- Application 6MB
- Data Backup 320KB

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

## GP-3300HL

- 16-shades Mono
- 16-level Brightness
- 320 × 240 pixels (QVGA)
- Analog Touch Panel
- Application 6MB
- Data Backup 320KB

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

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

AC Models  
DC Models

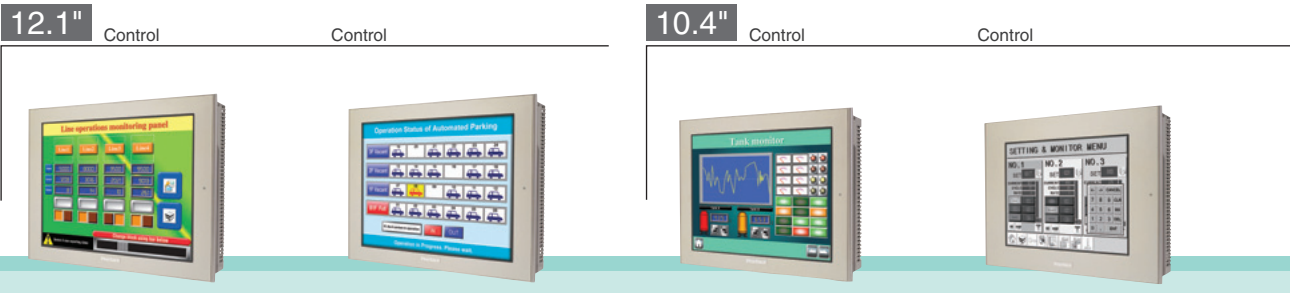


For detailed specifications, visit our website.

<http://www.pro-face.com/product/hmi/>

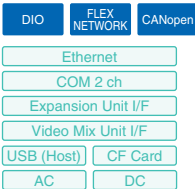
# Operator Interface Plus Control

Fusion of touch operator interface and control functions



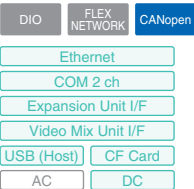
## GP-3600T

- 65,536-color TFT
- 8-level Brightness
- 800 × 600 pixels (SVGA)
- Analog Touch Panel
- Application 16MB
- Data Backup 320KB
- Control feature is available



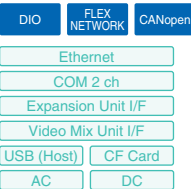
## GP-3600U

- 65,536-color TFT
- Ultra high-brightness Model
- 8-level Brightness
- 800 × 600 pixels (SVGA)
- Analog Touch Panel
- Application 16MB
- Data Backup 320KB
- Control feature is available



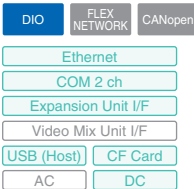
## GP-3500T

- 65,536-color TFT
- 8-level Brightness
- 640 × 480 pixels (VGA)
- Analog Touch Panel
- Application 16MB
- Data Backup 320KB
- Control feature is available



## GP-3500L

- 16-shades Mono
- 8-level Brightness
- 640 × 480 pixels (VGA)
- Analog Touch Panel
- Application 16MB
- Data Backup 320KB
- Control feature is available



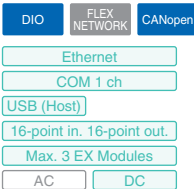
# Operator Interface Plus Control and I/O Expansion Unit

Controllers with touch operator interface



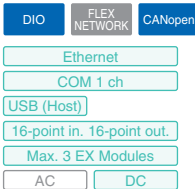
## LT-3300S

- 4,096-color STN
- 8-level Brightness
- 320 × 240 pixels (QVGA)
- Analog Touch Panel
- Application 6MB
- Data Backup 128KB
- Control feature is available



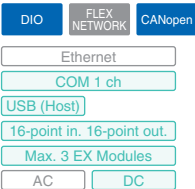
## LT-3300L

- 16-shades Mono
- 8-level Brightness
- 320 × 240 pixels (QVGA)
- Analog Touch Panel
- Application 6MB
- Data Backup 128KB
- Control feature is available



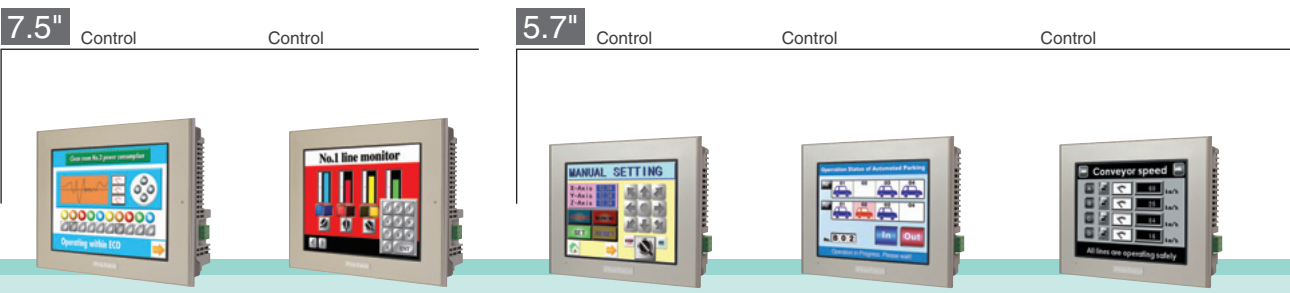
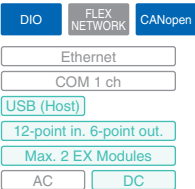
## LT-3301L

- 16-shades Mono
- 8-level Brightness
- 320 × 240 pixels (QVGA)
- Analog Touch Panel
- Application 6MB
- Data Backup 128KB
- Control feature is available



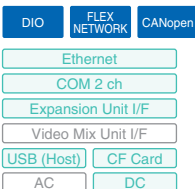
## LT-3201A

- 8-shades Mono
- 8-level Brightness
- Amber/ Red Backlight
- 320 × 240 pixels (QVGA)
- Analog Touch Panel
- Application 6MB
- Data Backup 128KB
- Control feature is available



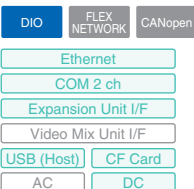
## GP-3400T

- 65,536-color TFT
- 8-level Brightness
- 640 × 480 pixels (VGA)
- Analog Touch Panel
- Application 16MB
- Data Backup 320KB
- Control feature is available



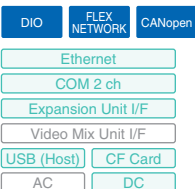
## GP-3400S

- 4,096-color STN
- 8-level Brightness
- 640 × 480 pixels (VGA)
- Analog Touch Panel
- Application 16MB
- Data Backup 320KB
- Control feature is available



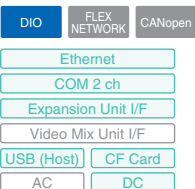
## GP-3300T

- 65,536-color TFT
- 8-level Brightness
- 320 × 240 pixels (QVGA)
- Analog Touch Panel
- Application 6MB
- Data Backup 320KB
- Control feature is available



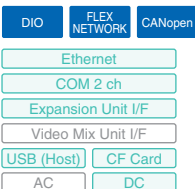
## GP-3300S

- 4,096-color STN
- 8-level Brightness
- 320 × 240 pixels (QVGA)
- Analog Touch Panel
- Application 6MB
- Data Backup 320KB
- Control feature is available



## GP-3300L

- 16-shades Mono
- 8-level Brightness
- 320 × 240 pixels (QVGA)
- Analog Touch Panel
- Application 6MB
- Data Backup 320KB
- Control feature is available



## I/O Expansion Unit



	EX Expansion Module		CANopen Remote I/O	FLEXNETWORK Remote I/O
Master	—		CANopen Master	—
Input	8-point Input	16-point Input	—	32-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)	16-point Input/ 16-point Output, 32-point Input/ 32-point 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	—	2-ch Analog Input, 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



For detailed specifications, visit our website.

<http://www.pro-face.com/product/hmi/>



# Industrial PC and Industrial Flat Panel Monitor

## Industrial PC (Built-to-order for your requirements)



### PS-4800

- 1,280 x 1,024 pixels (SXGA)
- Intel® Core™ 2 Duo P8400 2.26GHz or Intel® Atom™ N270 1.6GHz
- Windows® XP, 7, Embedded
- HDD, SSD or CF card-selectable
- Fanless model is available

Ethernet 2 ch
COM 2 ch
USB 5 ch
CF Card
PCI 1 ch or none
PCIe 1 ch or none
DVI-I
AC
DC

### PS-4700

- 1,024 x 768 pixels (XGA)
- Intel® Core™ 2 Duo P8400 2.26GHz or Intel® Atom™ N270 1.6GHz or Intel® Atom™ Z510 1.1GHz
- Windows® XP\*, 7\*, Embedded\*
- \*Z510 model is "Embedded" only.
- HDD\*, SSD\* or CF\* card-selectable
- \*Z510 model is CF card only.
- Fanless model is available

(Z510 model)

Ethernet 2 ch	Ethernet 1 ch
COM 2 ch	COM 1 ch
USB 5 ch	USB 3 ch
CF Card	CF Card
PCI 1 ch or none	PCI
PCIe 1 ch or none	PCIe
DVI-I	DVI-I
AC	DC

### PS-4000B

- Intel® Core™ 2 Duo P8400 2.26GHz or Intel® Atom™ N270 1.6GHz
- Windows® XP, 7, Embedded
- HDD, SSD or CF card-selectable
- Fanless model is available

Ethernet 2 ch
COM 2 ch
USB 5 ch
CF Card
PCI 1 ch or 2 ch
PCIe 1 ch or 3 ch or none
DVI-I
AC
DC

The PS4000 Series is built-to-order (BTO). Select your desired model and preferred configuration. Regarding the acquisition of the international safety standards, visit Pro-face website.



### PL-3900T

- 1,280 x 1,024 pixels (SXGA)
- Intel® Core™ Duo 2.0GHz or Intel® Celeron® M 440 1.86GHz
- Windows® 2000, XP, XP Embedded
- HDD, SSD or CF card-selectable
- Keypad model is available

Ethernet 2 ch
COM 4 ch
USB 5 ch
CF Card
PCI 4 ch or 2 ch
DVI-I
RAS
AC
DC

### PL-3700T/K

- 1,024 x 768 pixels (XGA)
- Intel® Core™ Duo 2.0GHz or Intel® Celeron® M 440 1.86GHz
- Windows® 2000, XP, XP Embedded
- HDD, SSD or CF card-selectable
- Keypad model is available

Ethernet 2 ch
COM 4 ch
USB 5 ch
CF Card
PCI 4 ch or 2 ch
DVI-I
RAS
AC
DC

### PL-3600T/K

- 800 x 600 pixels (SVGA)
- Intel® Core™ Duo 2.0GHz or Intel® Celeron® M 440 1.86GHz
- Windows® 2000, XP, XP Embedded
- HDD, SSD or CF card-selectable
- Keypad model is available

Ethernet 2 ch
COM 4 ch
USB 5 ch
CF Card
PCI 4 ch or 2 ch
DVI-I
RAS
AC
DC

### PL-3000B

- Intel® Core™ Duo 2.0GHz or Intel® Celeron® M 440 1.86GHz
- Windows® 2000, XP, XP Embedded
- HDD, SSD or CF card-selectable

Ethernet 2 ch
COM 4 ch
USB 4 ch
CF Card
PCI 4 ch or 2 ch
DVI-I
RAS
AC
DC

The PL3000 Series is built-to-order (BTO). Select your desired model and preferred configuration. Regarding the acquisition of the international safety standards, visit Pro-face website.



### PS-3710A/3711A

- 1,024 x 768 pixels (XGA)
- Intel® Pentium® M 1.6GHz or Intel® ULV Celeron® M 1.0GHz
- Windows® 2000, XP, XP Embedded
- HDD, SSD or CF card-selectable
- Fanless model is PS-3711A only

(PS-3710A)

Ethernet 2 ch
COM 4 ch
USB 5 ch
CF Card
DVD-ROM
FDD
PCMCIA 2 ch
PS/2
RAS
PCI
AC
DC

(PS-3711A)

Ethernet 2 ch
COM 2 ch
USB 5 ch
CF Card
DVD-ROM
FDD
PCMCIA 2 ch
PS/2
RAS
PCI
AC
DC

### PS-3650A/3651A

- 1,024 x 768 pixels (XGA)
- Intel® ULV Celeron® M 1.5GHz or Intel® ULV Celeron® M 1.0GHz
- Windows® XP, XP Embedded
- HDD or CF card-selectable
- Fanless model is PS-3651A only

(PS-3650A)

Ethernet 2 ch
COM*
USB 5 ch
CF Card
PCMCIA
PCI
RAS (T42 models only)*
AC
DC

(PS-3651A)

Ethernet 2 ch
COM*
USB 5 ch
CF Card
PCMCIA
PCI
RAS (T42 models only)*
AC
DC

\*T42 models have COM 1ch and RAS 1ch  
T42S models have COM 2ch.

### PS-3450A/3451A

- 800 x 600 pixels (SVGA)
- Intel® ULV Celeron® M 1.0GHz or M 600MHz
- Windows® 2000, XP, XP Embedded
- HDD or CF card-selectable
- Fanless model is PS-3451A only

(PS-3450A)

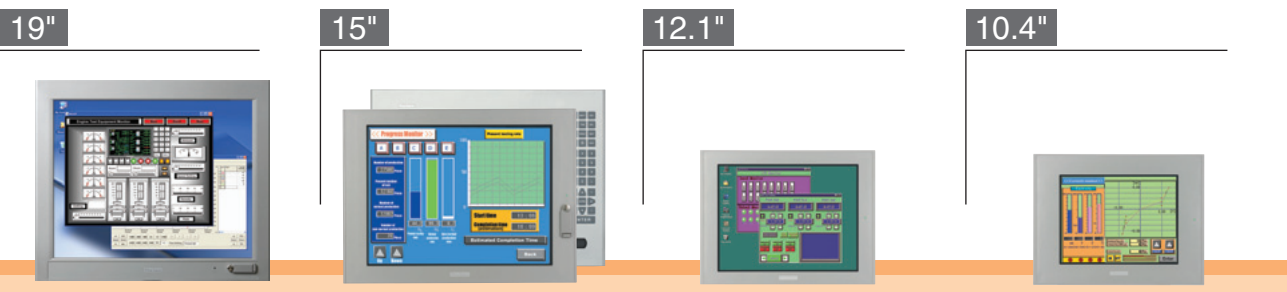
Ethernet 2 ch
COM 2 ch
USB 4 ch
CF 2 ch
PCMCIA
PCI
AC
DC

(PS-3451A)

Ethernet 2 ch
COM 2 ch
USB 4 ch
CF 2 ch
PCMCIA
PCI
AC
DC

The PS3000 Series is built-to-order (BTO). Select your desired model and preferred configuration. Regarding the acquisition of the international safety standards, visit Pro-face website.

## Industrial Flat Panel Monitor



### FP-3900T

- 1,280 x 1,024 pixels (SXGA)
- Front USB Interface (FP3900-T41-U)
- Rear USB Interface
- DVI-D, Analog RGB input

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

\*FP3900-T41-U only

### FP-3710T/K

- 1,024 x 768 pixels (XGA)
- Front USB Interface (FP3710-T42-U)
- Rear USB Interface
- DVI-D, Analog RGB input
- Keypad model is available

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

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

### FP-3650T/3600T

- 1,024 x 768 pixels (XGA), 800 x 600 pixels (SVGA)
- Rear USB Interface
- DVI-D, Analog RGB input

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

Coated models are available  
\*FP-3600T only

### FP-3500T

- 640 x 480 pixels (VGA)
- Rear USB Interface
- DVI-D, Analog RGB input

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

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

For detailed specifications, visit our website.

<http://www.pro-face.com/product/ipc/>

# Software

GP-Pro EX, HMI Screen Editor & Logic Programming Software

## GP-Pro EX

### Easy to identify



GP-Pro EX Ver.3.0 allows you to easily create expressive screens.

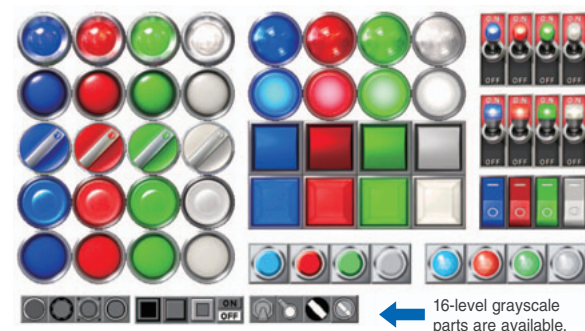
### 3D Real Parts

The "3D Real Parts" allows you to create easy-to-identify screens with high added value.

#### Meters



#### Switches/Lamps



16-level grayscale parts are available.

### Bitmap fonts and Windows fonts

The Data Display features bitmap fonts that are bright and realistic.



With Windows fonts, you can develop appealing screens. When applying text or labeling a switch or lamp, simply choose your preferred font and set the desired size.

### Bitmaps and other formats can be used



### Easy to use

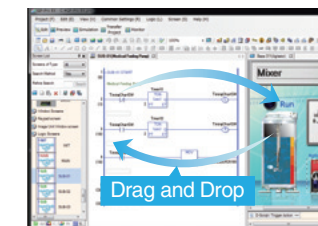
#### Screen creation

To design screens, simply drag and drop the desired elements.



#### Sharable Address with Controls

GP-Pro EX allows you to share an address with controls and easily create logic programs, a task that previously required a PLC.



#### Simulation

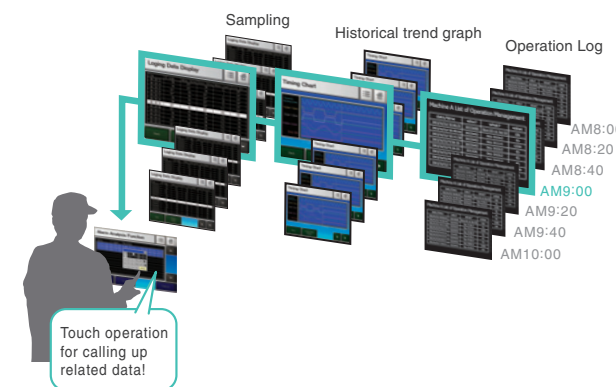
GP-Pro EX Simulation allows you to verify operation. Now you can debug using only a PC.



### Easy to create complex screens

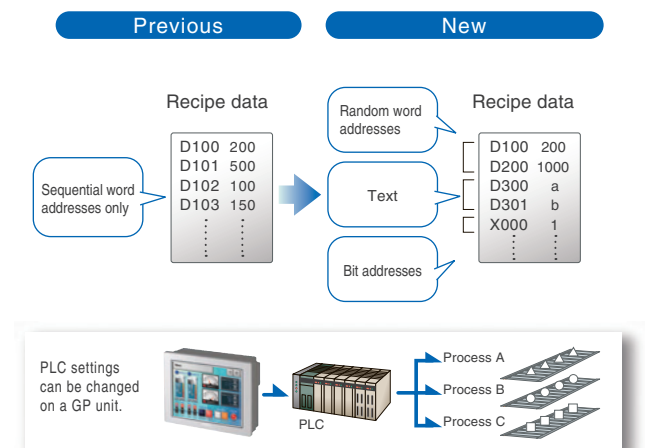
#### Alarm Analysis

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.

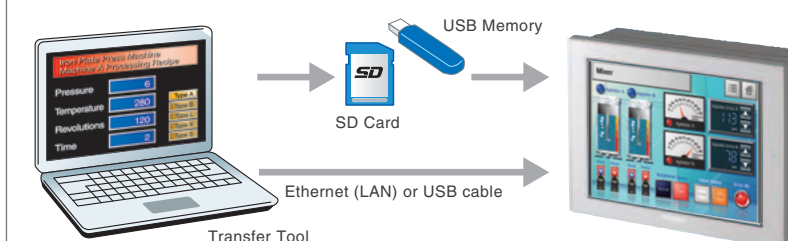


#### Enhanced Recipes

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



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



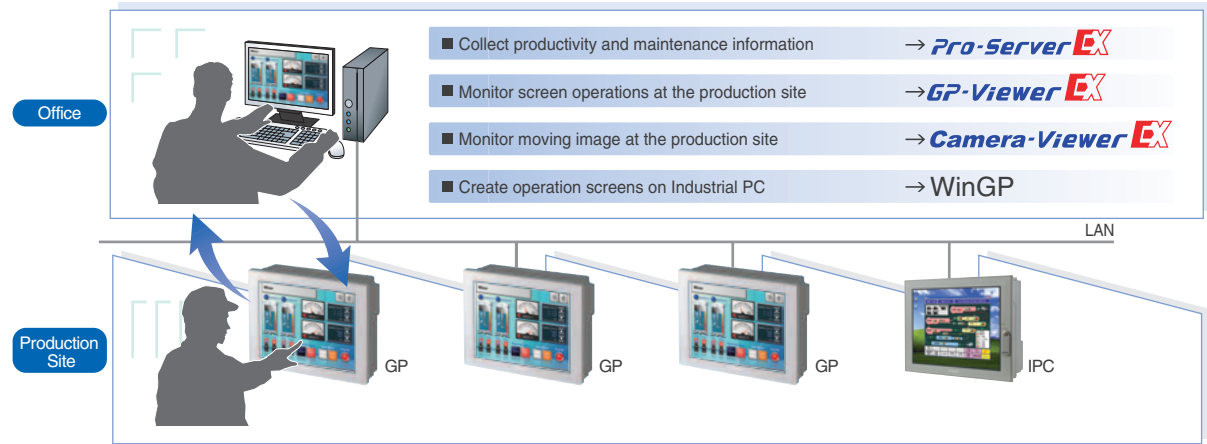
The data transfer tool can be downloaded for free from the Web  
<http://www.pro-face.com/otasuke/download/>

Visit our website for more details on features and supported models.

<http://www.pro-face.com/product/soft/gpproex/>

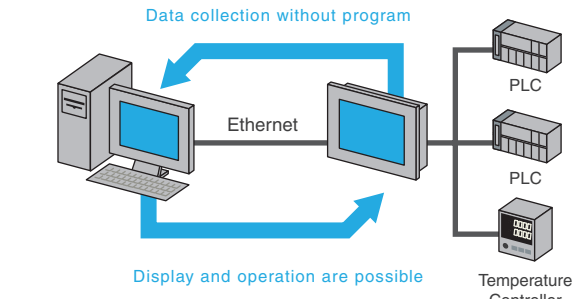


Remote Monitoring of On-site Situations in Real-time



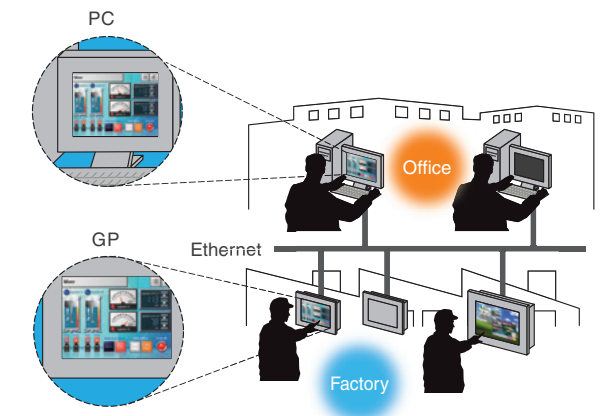
Data Management "Pro-Server EX"

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



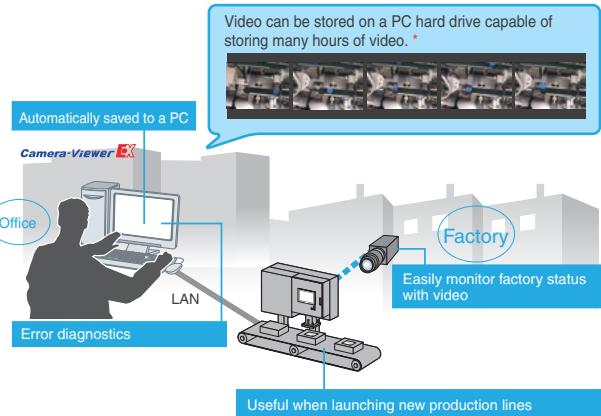
Screen Remote Monitoring "GP-Viewer EX"

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



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



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

HMI Runtime Engine "WinGP"

With the WinGP runtime engine, screens created in the GP-Pro EX can be used on a PC. You can also reuse GP screen data on industrial PCs. \*2



GP4000 SERIES Connectable Devices

For information on GP3000, LT3000, and WinGP, visit our website.

PLC				
Manufacture	Series	Supported Models		
		GP 4000	GP 4000M	GP 4100
Control Technology Corp.	2700 Series	○	○	○
FANUC LTD.	Fanuc Power Mate Series, Fanuc Power Mate i Series, Fanuc Series	○	○	○
Fatek Automation Corp.	FBs, FBs/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-S10q, S10mini	○	○	○
JTEKT Corporation	TOYOPUC-PC2/PC3J/PC3JT/PC3/PS10G	○	○	○
KEYENCE CORPORATION	KV-700/1000/3000/5000/5500, KV Series, Visual KV Series	○	○	○
KOYO ELECTRONICS INDUSTRIES CO., LTD.	KOSTAC SG/SU/SZ/P23/SR, DL205/305/405, Direct Logic05/06	○	○	○
LS Industrial Systems Co., Ltd.	K1000S, K300S, K200S, K120S, K80S, XGK, 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	○	○	○
Mitsubishi Heavy Industries, Ltd.	DIASYS Netmation, UP/V	○	○	○
OMRON Corporation	SYSMAC C/a/CV, CS/CS1/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	○	○	○

■ Supported models involve following product names.\*

Supported Models	Product Names
GP4000	GP-460XT/GP-450XT/GP-4401T/GP-4401WW/GP-430XT/GP-420XT
GP4000M	GP-4301TM/GP-4201TM
GP4100	GP-4104, GP-4105, GP-4106, GP-4107

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

Temperature Controller				
Manufacture	Series	Supported Models		
		GP 4000	GP 4000M	GP 4100
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-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	Supported Models		
		GP 4000	GP 4000M	GP 4100
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, 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, S-V Series Rotary Motors (M-II), S-V Series Linear Motors (M-II), S-V Series Rotary Motors (M-III), S-V Series Linear Motors (M-III)	○	○	○

Industrial Robot				
Manufacture	Series	Supported Models		
		GP 4000	GP 4000M	GP 4100
Hyundai Heavy Industries	H4 Robot, H5 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, FS100	○	○	○

Other Devices				
Manufacture	Series	Supported Models		
		GP 4000	GP 4000M	GP 4100
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	○	○	○
Modbus-IDA	MODBUS Compatible External Device, MODBUS Slave Device	○	○	○
ODVA(Open DeviceNet Vendor Association, Inc.)	EtherNet/IP communication devices	○	○	○

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





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

We provide our best possible support for each and every individual customer.

## Our Environmental Policy and Compliance with the RoHS Directive

Pro-face has taken significant steps to meet increasingly stringent requirements for environmental preservation and has sought to comply with the RoHS Directive by adopting measures to eliminate specified harmful substances from existing products and products to be manufactured and sold beginning in 2006. For details, please refer to our web site or contact our sales office in your country.

Visit our website for more information.

[www.pro-face.com](http://www.pro-face.com)

## ⚠ WARNING

### HAZARD OF OPERATOR INJURY, OR UNINTEDED 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.
- All product names used in this catalog are the registered trademarks or trademarks of their respective companies.
- All information contained in this catalog is subject to change without notice.

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