

Easy! Smooth!

Replacement Guidebook

GP3000 Series 12-inch models → GP6000 Series Standard 12-inch models

The 2nd Edition, December 2025
SE01-Guide-GP360x_to_GP6600-EN-02

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Update History

Date	Edition	Updated Slide	Description
2025/05/20	1st	-	Newly created
2025/12/08	2nd	16-18 31 44 21 21 43 45 46 47 & 48 47 47	Added slides to explain System Settings Updated info about Battery for memory backup → The recommended battery is BR2032 (Panasonic Corporation) Added correction – memory loader function is not supported New functions are supported by GP-Pro EX Ver.5.01.000 or later - [Blink] function is supported, so updated the Display Colors info - Application memory is increased from 64MB to 128MB - [Blink] and [Faded Color Blink] are supported - [User ID Mode – Enhanced] is added as a new function - [PDF Settings] is added as a new function - [Remote HMI], [Pro-face Connect] are supported - [IPsec] is supported - [Change IP address by System variables] is added as a new function

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Safety Information

Important Information

Read these instructions carefully and look at the equipment to become familiar with the device before trying to install, operate, service, or maintain it. The following special messages may appear throughout this documentation or on the equipment to warn of potential hazards or to call attention to information that clarifies or simplifies a procedure.



The addition of this symbol to a “Danger” or “Warning” safety label indicates that an electrical hazard exists which will result in personal injury if the instructions are not followed.



This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

⚠ DANGER

DANGER indicates a hazardous situation which, if not avoided, **will result in** death or serious injury.

⚠ CAUTION

CAUTION indicates a hazardous situation which, if not avoided, **could result** in minor or moderate injury.

⚠ WARNING

WARNING indicates a hazardous situation which, if not avoided, **could result in** death or serious injury.

NOTICE

NOTICE is used to address practices not related to physical injury.

Please Note

Electrical equipment should be installed, operated, serviced, and maintained only by qualified personnel. No responsibility is assumed by Schneider Electric for any consequences arising out of the use of this material.

A qualified person is one who has skills and knowledge related to the construction and operation of electrical equipment and its installation and has received safety training to recognize and avoid the hazards involved.

About this book

Document Scope

This guidebook introduces the procedures to replace a unit from “GP4000 Series 12-inch models” to “GP6000 Series Standard 12-inch models”.
The recommended substitute models are as follows.

Model in use			Recommended substitutes	
GP3000 Series 12-inch models	PFXGP3600TAA (AGP3600-T1-AF) *1	→	GP6000 Series Standard 12-inch models	PFXGP6600TAA
	PFXGP3600TAAC (AGP3600-T1-AF-M) *1*2			To be developed as per request
	PFXGP3600TAD (AGP3600-T1-D24) *1			PFXGP6600TAD
	PFXGP3600TADC (AGP3600-T1-D24-M) *1			PFXGP6600TADC

*1: End of Sale on May 29, 2015
*2: This is a coated model of PFXGP3600TAA. As for GP6000 Series, you can request the coated model as Lite Customization. For the details, please contact Customer Service.

Validity Note

This document is valid for GP6000 Series Standard Model.

The characteristics of the products described in this document are intended to match the characteristics that are available on www.pro-face.com. As part of our corporate strategy for constant improvement, we may revise the content over time to enhance clarity and accuracy. If you see a difference between the characteristics in this document and the characteristics on www.pro-face.com, consider www.pro-face.com to contain the latest information.

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About this book

Related Documents

You can download the manuals related to this product, such as the software manual, from our website.
https://www.proface.com/en/download/search

Information on Non-Inclusive or Insensitive Terminology

As a responsible, inclusive company, Schneider Electric is constantly updating its communications and products that contain non-inclusive or insensitive terminology. However, despite these efforts, our content may still contain terms that are deemed inappropriate by some customers.

Product Related Information

This product has been designed, developed and manufactured for use in industrial or factory automation systems.

• The product is not appropriate for use with aircraft control devices, medical life-support equipment, central trunk data transmission (communication) devices, or nuclear power control devices, due to inherent requirements for extremely high levels of safety and reliability.

• When using the product with transportation vehicles (trains, cars, and ships),disaster and crime prevention devices, safety equipment, or medical devices unrelated to life-support systems, use redundant and/or failsafe system designs to ensure reliability and safety.

If the equipment is used in a manner not specified by the manufacturer, the protection provided by the equipment may be impaired.

⚠⚠DANGER

HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

- Remove all power from the device before removing any covers or elements of the system, and prior to installing or removing any accessories, hardware, or cables.
- Unplug the power cable from both this product and the power supply prior to installing or removing the product.
- Always use a properly rated voltage sensing device to confirm power is off where and when indicated.
- Replace and secure all covers or elements of the system before applying power to this product.
- Use only the specified voltage when operating this product. The DC model is designed to use 12 to 24 Vdc, and the AC model is designed to use 100 to 240 Vac. Always check whether your device is DC or AC powered before applying power.
- When using this product in Class I, Division 2, Groups A, B, C, and D hazardous locations, install this product in an enclosure that prevents the operator from touching the back of this product without the use of tools.

Failure to follow these instructions will result in death or serious injury.

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About this book

Please design a safety circuit external to this product so that the entire system operates safely even if the external power supply or this product fails or malfunctions.

• Interlocks and other circuits designed to interrupt or prevent equipment operation (such as emergency stops, protective circuits, and opposing action circuits) and circuits that prevent machine damage, such as positioning mechanisms, should be constructed external to the product.

• The product stops operation when it detects an abnormality such as a watchdog timer error. If an error occurs in the input/output control area, which cannot be monitored, it may lead to unexpected input/output behavior. Therefore, it is important to configure an external fail-safe circuit or mechanism.

• Problems with the relay or transistor in the output unit may cause the output to remain either in the ON or OFF state. Install an external monitoring circuit for output signals that may cause a serious accident.

Design the circuit so that power is supplied to the external device or load control power supply connected to this product before it starts.

Critical alarm indicators and system functions require independent and redundant protection hardware and/or mechanical interlocks.

Do not create any switches on the touch panel that may cause personal injury, property damage, or compromise the safety of the equipment. Design the system so that controls for important operations are managed by devices other than this product, or by independent hardware switches.

When you cycle power, wait at least 10 seconds after it has been turned off. If this product is restarted too quickly, it may not operate correctly.

In the event the screen cannot be properly read, for example, if the backlight is not functioning, it may be difficult or impossible to identify a function. Functions that may present a hazard if not immediately executed, such as a fuel shut-off, must be provided independently of this product.

⚠WARNING

LOSS OF CONTROL

- The designer of any control scheme must consider the potential failure modes of control paths and, for certain critical control functions, provide a means to achieve a safe state during and after a path failure. Examples of critical control functions are emergency stop and overtravel stop, power outage and restart.
- Separate or redundant control paths must be provided for critical control functions.
- System control paths may include communication links. Consideration must be given to the implications of unanticipated transmission delays or failures of the link.
- Observe all accident prevention regulations and local safety guidelines.
- Each implementation of this product must be individually and thoroughly tested for proper operation before being placed into service.
- The machine control system design must take into account the possibility of the backlight no longer functioning and the operator being unable to control the machine, or making errors in the control of the machine.

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

About this book

For additional information, refer to NEMA ICS 1.1 (latest edition), "Safety Guidelines for the Application, Installation, and Maintenance of Solid State Control" and to NEMA ICS 7.1 (latest edition), "Safety Standards for Construction and Guide for Selection, Installation and Operation of Adjustable-Speed Drive Systems" or their equivalent governing your particular location.

⚠WARNING

UNINTENDED EQUIPMENT OPERATION

- The application of this product requires expertise in the design and programming of control systems. Only persons with such expertise should be allowed to program, install, alter, and apply this product.
- Do not use this product as the only means of control for critical system functions such as motor start/stop or power control.
- Do not use this equipment as the only notification device for critical alarms, such as device overheating or overcurrent.
- Use only the software provided with this product. If you use other software, please confirm the operation and safety before use.
- Follow all applicable safety standard, local regulations and directives.

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

The following characteristics are specific to the LCD panel and are considered normal behavior:

• LCD screen may show unevenness in the brightness of certain images or may appear different when seen from outside the specified viewing angle. Extended shadows, or crosstalk may also appear on the sides of screen images.

• LCD screen pixels may contain black and white colored spots and color display may seem to have changed.

• When experiencing vibrations within a certain frequency range and vibration acceleration is above what is acceptable, the LCD screen may partially turn white. Once the vibration condition ends, the whitening of the screen is resolved.

• When the same image is displayed on the screen for a long period, an afterimage may appear when the image is changed.

• The panel brightness may decrease when used for a long time in an environment continuously filled with inert gas. To prevent deterioration of panel brightness, regularly ventilate the panel. For more information, please contact customer support.
https://www.pro-face.com/trans/en/manual/1015.html

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About this book

⚠WARNING

SERIOUS EYE AND SKIN INJURY

The liquid in the LCD panel contains an irritant:

- Avoid direct skin contact with the liquid.
- Wear gloves when you handle a broken or leaking unit.
- Do not use sharp objects or tools in the vicinity of the LCD panel.
- Handle the LCD panel carefully to prevent puncture, bursting, or cracking of the panel material.
- If the panel is damaged and any liquid comes in contact with your skin, immediately rinse the area with running water for at least 15 minutes. If the liquid gets in your eyes, immediately rinse your eyes with running water for at least 15 minutes and consult a doctor.

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

NOTICE

REDUCTION OF SERVICE LIFE OF PANEL

Change the screen image periodically and try not to display the same image for a long period of time.

Failure to follow these instructions can result in equipment damage.

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Security Enhancement

Cybersecurity Guideline

Use this product inside a secure industrial automation and control system.
Total protection of components (equipment/devices), systems, organizations, and
networks from cyber attack threats requires multi-layered cyber risk mitigation measures, early detection of incidents, and appropriate response and recovery
plans when incidents occur. For more information about cybersecurity, refer to the Pro-face HMI/IPC Cybersecurity Guide.
https://www.proface.com/en/download/manual/cybersecurity_guide

⚠WARNING

POTENTIAL COMPROMISE OF SYSTEM AVAILABILITY, INTEGRITY, AND CONFIDENTIALITY

- Change default passwords at first use to help prevent unauthorized access to device settings, controls and information.
- Disable unused ports/services and default accounts, where possible, to minimize pathways for malicious attacks.
- Place networked devices behind multiple layers of cyber defenses (such as firewalls, network segmentation, and network intrusion detection and protection).
- Apply the latest updates and hotfixes to your Operating System and software.
- Use cybersecurity best practices (for example: least privilege, separation of duties) to help prevent unauthorized exposure, loss, modification of data and logs, interruption of services, or unintended operation.

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

Security Seal

This product has a security seal attached, which helps detect unauthorized repairs or modifications to the product. Once the security seal is removed, the product cannot be used again as it would increase the security risk.

⚠WARNING

POTENTIAL COMPROMISE OF SYSTEM AVAILABILITY, INTEGRITY, AND CONFIDENTIALITY

- Do not remove the security seal on the product.
- Do not use products with removed security seals.

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

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Federal Communication Commission Radio Frequency Interference Statement – For USA

FCC Radio Interference Information

This product has been tested and found to comply with the Federal Communications Commission (FCC) limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a commercial, industrial or business environment. This product generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause or be subject to interference with radio communications. To minimize the possibility of electromagnetic interference in your application, observe the following two rules:

- Install and operate this product in such a manner that it does not radiate sufficient electromagnetic energy to cause interference in nearby devices.
- Install and test this product to ensure that the electromagnetic energy generated by nearby devices does not interfere with the operation of this product.

⚠WARNING

ELECTROMAGNETIC / RADIO INTERFERENCE, UNINTENDED EQUIPMENT OPERATION

Check for electromagnetic and radio interference. If interference is detected, take the following actions.

- Increase the distance between this product and the interfering equipment.
- Reorient this product and the interfering equipment.
- Reroute power and communication lines to this product and the interfering equipment.
- Connect this product and the interfering equipment to different power supplies.
- Always use shielded cables when connecting this product to a peripheral device or another computer.

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

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this product.

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Hazardous Location Installation - For USA and Canada

General

This product is suitable for use in Class I, Division 2, Groups A, B, C, and D hazardous locations or in non-hazardous locations. Before installing or using this product, confirm that the Hazardous Location certification appears on the product labeling.

NOTE: Some products are not yet rated as suitable for use in hazardous locations. Always use your product in conformance with the product labeling and this manual.

⚠⚠DANGER

HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

- Remove all power from the device before removing any covers or elements of the system, and prior to installing or removing any accessories, hardware, or cables.
- Unplug the power cable from both this product and the power supply prior to installing or removing the product.
- Always use a properly rated voltage sensing device to confirm power is off where and when indicated.
- Replace and secure all covers or elements of the system before applying power to this product.
- Use only the specified voltage when operating this product. The DC model is designed to use 24 Vdc, and the AC model is designed to use 100 to 240 Vac. Always check whether your device is DC or AC powered before applying power.

Failure to follow these instructions will result in death or serious injury.

⚠WARNING

EXPLOSION HAZARD

- Do not use this product in hazardous environments or locations other than Class I, Division 2, Groups A, B, C, and D.
- Substitution of any components may impair suitability for Class I, Division 2.
- Always confirm the UL 121201 or CSA C22.2 No.213 hazardous location rating of your device before installing or using it in a hazardous location.
- To apply or remove the supply power from this product installed in a Class I, Division 2 hazardous location, you must either: A) Use a switch located outside the hazardous environment, or B) Use a switch certified for Class I, Division 1 operation inside the hazardous area.
- Do not connect or disconnect equipment unless power has been switched off or the area is known to be non-hazardous. This applies to all connections including power, ground, serial, parallel, and network connections.
- Do not install any components, equipment, or accessories manufactured by us or by OEM unless these have also been qualified as suitable for use in Class I, Division 2, Groups A, B, C, and D locations.
- Always use shielded/grounded cables in hazardous locations.
- Use only non-incendive USB devices.
- Do not attempt to install, operate, modify, maintain, service, or otherwise alter this product except as permitted in this manual. Unpermitted actions may impair the suitability of this product for Class I, Division 2 operation.

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

Make sure that this product is properly rated for the location. If the intended location does not presently have a Class, Division and Group rating, then users should consult the appropriate authorities having jurisdiction in order to determine the correct rating for that hazardous location.

Hazardous Location Installation - For USA and Canada

Operation and Maintenance

The systems have been designed for compliance with relevant spark ignition tests.

⚠WARNING

EXPLOSION HAZARD

In addition to the other instructions in this manual, observe the following rules when installing this product in a hazardous location:

- Wire the equipment in accordance with the National Electrical Code article 501.10 (B) for Class I, Division 2 hazardous locations.
- Install this product in an enclosure suitable for the specific application.

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

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3 Software Section

- 3-1 Replacement Procedure
- 3-2 Software Compatibility
- 3-3 Other Important Notes on Software

1. Summary

When replacing from GP3000 series 12” models (PFXGP3600TA**) to GP6000 Series Standard 12” models (PFXGP6600TA**), please note the following points.

- Display resolution: PFXGP6600TA** has a better resolution than PFXGP3600TA**, so it’s necessary to convert resolution by the software to use old project data from GP3000 Series. For more details, refer to the 3. Software Section in this document.

PFXGP3600TA**	800 x 600 pixels (SVGA)	PFXGP6600TA**	1,024 x 768 pixels (XGA)

- External dimensions: The panel cut dimensions are the same, but the external dimensions are different.
  It is necessary to check the dimensions of the HMI installation location.

PFXGP3600TA**	W313 x H239 x D56 mm	PFXGP6600TA**	W315 x H241 x D60 mm

- Serial Interface: The serial interface specification is different between GP3000 and GP6000.
  For details, refer to “2-6. Other Important Notes on Hardware”.
- USB Interface (Type A): GP3000 has two USB ports (USB Type A), but GP6000 has only one.
  If devices are connected to both USB ports on GP3000, use an USB hub for multiple connections on GP6000.
  For details, refer to “2-6. Other Important Notes on Hardware”.
- Auxiliary Input/Output I/F: External Reset Input and 3 Outputs (RUN Output, System Alarm Output, and External Buzzer Output) used with GP3000 cannot be used with GP6000 Standard models.

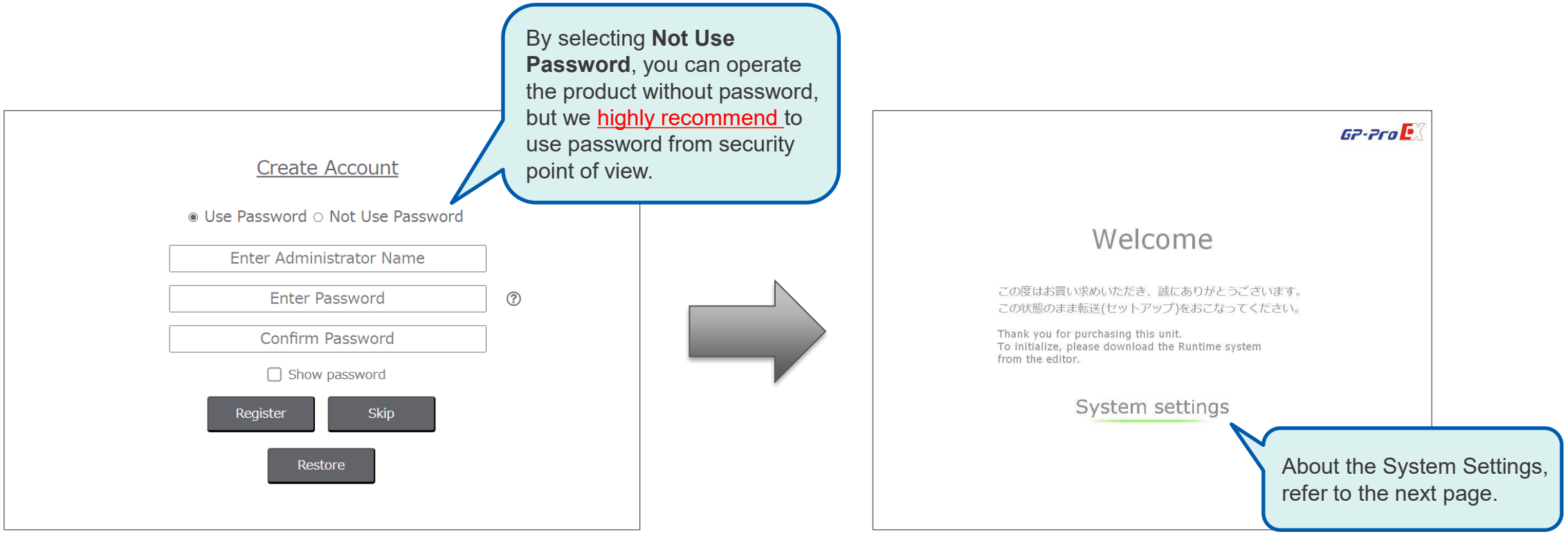


GP3000 Series GP6000 Series

- Sound Output I/F: The sound out function used with GP3000 cannot be used with GP6000 Standard models.
- Expansion Unit: GP6000 Standard models doesn’t have this interface. The expansion unit used with GP3000 cannot be used with GP6000 Standard models.
- GP6000 Series Standard models is supported by GP-Pro EX V5.00.000 or later. For information about the software part, refer to GP-Pro EX Reference Manual.
- GP6000 Series Standard models is equipped with System Settings separate from offline mode. In the System Settings, you can configure the hardware settings. For information about the System Settings, refer to GP6000 Series Standard Model User Guide.

1. Summary

- Out-of-box experience is different between GP4000 Series and GP6000 Series.
  In the case of GP4000 Series, after power on the product, Welcome screen is displayed.
  In the case of GP6000 Series, after power on the product, the Create Account screen is displayed.
- Create an administrator user account for the System Settings. Enter the username and password, then touch the Register button. The screen goes to the Welcome screen.



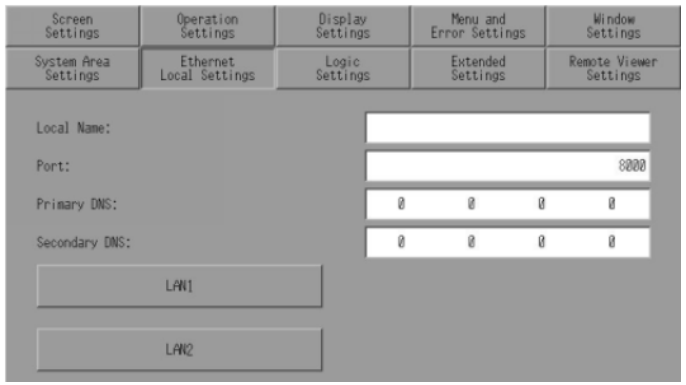
NOTE: Password setting is a Cyber Security requirement.

1. Summary

- GP6000 Series is equipped with System Settings separate from offline mode. In the System Settings, you can configure the product's hardware configuration and network settings such as IP addresses.
- The following configurations are done in the System Settings, not in offline mode.
  Main Unit – Ethernet settings
  Maintenance Menu – Calibrate Touch Panel
- Memory loader function in Transfer Tool is not supported by GP6000 Series. You can perform backup or restore data in the System Settings.
- For more information about the System Settings, refer to GP6000 Series Standard Model User Guide.

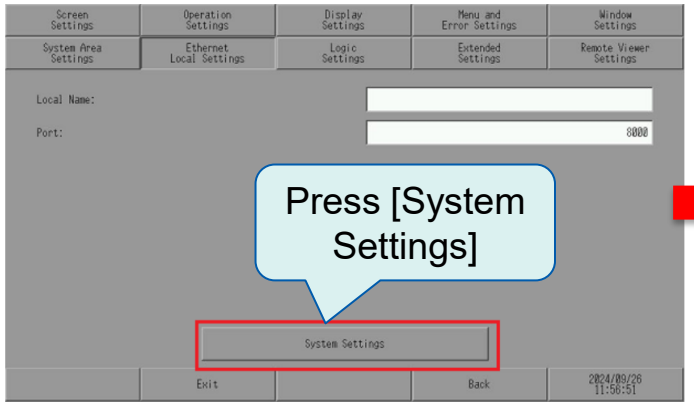
Example: IP address setting

GP4000

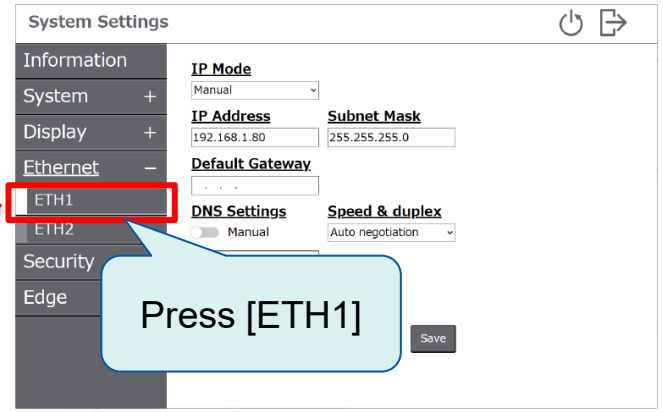


Offline Screen

GP6000



Offline Screen



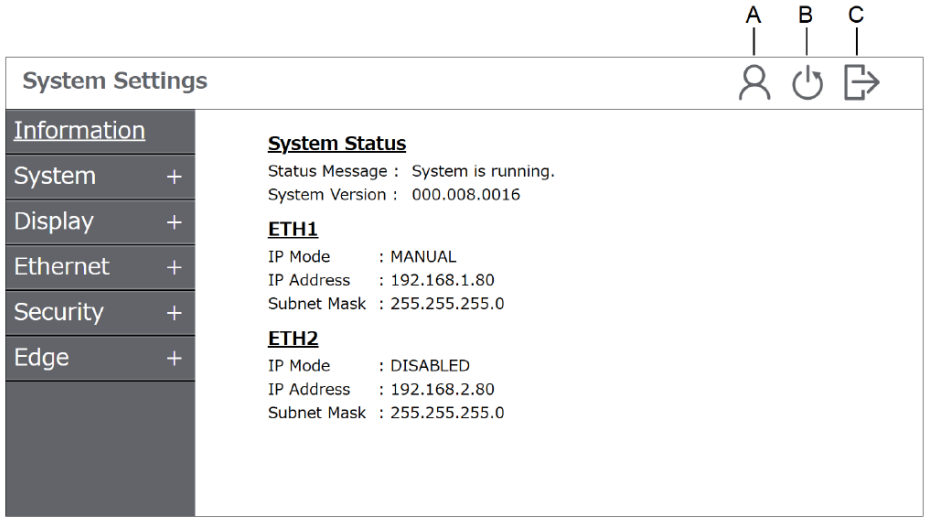
System Settings

1. Summary

These functions are available in the System Settings.

Menu		Description
Information	-	Displays the system status, version information, etc.
System	System monitor	Displays the number of times this product has been started, the total operating time, the temperature inside the product, etc. This also exports the system settings operation log.
	Date and Time	Set the product's internal clock.
	Language	Select the user interface language for the system settings.
	Factory Reset *1	Reset the product to its original state.
	Backup Restore *1	Back up the data in the product to a USB storage device and use the backup file to restore the product.
Display *3	Display1	Configure display settings such as brightness and touch areas.
Ethernet *1	ETH1/ETH2	Configure the Ethernet settings.
Security *2	Password	Change the login password.
	User Account *1	Register or delete standard user account separate from the account with administrator privileges.
	Firewall *1	Configure settings related to the firewall.
	External Access *1*4	Set whether to allow remote access to system settings.
SiteManager *1	-	Configure SiteManager to remotely access this product using Pro-face Connect.
Edge	General	Enable or disable the Edge Connector.*5

*1 Displays only if you are logged in with an administrator account.
*2 If password authentication is not used, this setting is not displayed.
*3 This menu will not appear if you do not have an expansion display connected to DIN mount type.
*4 This menu item appears on DIN mount types only. *5 To be supported (Schedule: TBD)



	Function	Description
A	Switching accounts	Switch user accounts. This function is displayed if you have a standard user account in addition to the administrator account.
B	Reboot	Reboot the product.
C	Logout	Log out of the system settings and return to the previous screen.

NOTE: For more information about System Settings, refer to GP6000 Series Standard Model User Guide.

1. Summary

GP6000 Series Model Number partly differs depending on a specification. Before placing an order, please make sure of the model number.

Digit position												
1	2	3	4	5	6	7	8	9	10	11	12	13 and later
			(model)		(series)	(display size)	(type)		(LCD)	(touch panel)	(power supply)	(customizing and others)
PFX			GP		6	3: 5"	00: Standard		T: TFT	A: Analog	A: AC	(none): Normal
						4: 7"				M: Matrix	D: DC	C: Coating
						5: 10"						FZ: Others
						6: 12"						

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2. Hardware Section

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2-1. GP3000 vs GP6000 Specification Comparison - 1. Basic Information -

		PFXGP3600TA**	PFXGP6600TA**	Points to note when replacing
Display type		TFT color LCD		
Display size		12.1”		
Resolution		800 x 600 pixels (SVGA)	1,024 x 768 pixels (XGA)	Need to change resolution setting by software
Display colors		65,536 colors (no blink), 16,384 colors (blink)	16,777,216 colors (no blink), 4,194,304 colors (with blink)	
Backlight		CCFL *1	White LED (not user replaceable)	Backlight is not replaceable
Backlight service life		50,000 hours or more (continuous operation at 25°C before backlight brightness decreases to 50%)		
Touch panel type		Resistive film (analog, single touch)		
Touch panel service life		1 million times or more		
Memory	Application memory	FLASH EPROM 16MB *2	eMMC Flash 128MB	
	Backup memory	SRAM 320KB	NVRAM 320KB	
Battery (clock data backup)		Rechargeable battery / Secondary battery	Replaceable battery / Primary battery	Can be replaced by user
Rated input voltage		DC model: DC 24V / AC model: AC 100-240V		
Power Consumption		DC model: 2.08A or less (TYP 1.30A) *3 AC model: AC100V 0.90A or less (TYP 0.55A) AC240V 0.45A or less (TYP 0.30A)	DC model: 13.5 W or less AC model: 23.7 VA or less (AC100V) 34.8 VA or less (AC240V)	
Environmental Spec		Operating Temp: 0 to 50°C Storage Temp: -20 to 60°C	Operating Temp: 0 to 55°C Storage Temp: -20 to 60°C	
External dimensions		W313 x H239 x D56 mm	W315 x H241 x D60 mm	External dimensions are different
Panel cut dimensions		W301.5 x H227.5 mm		

*1 White LED (not user replaceable) is used when the revision of the unit is Rev.5. *2 8MB available if the revision of the unit is earlier than Rev.4, or GP-Pro EX Ver.2.5 or earlier is used.
*3 When the revision of the unit is Rev.5, 2.08A or less (TYP 1.0A) for DC model, AC100A 0.90A or less (TYP 0.40A) and AC240V 0.45A or less (TYP 0.23A) for AC model.

2-1. GP3000 vs GP6000 Specification Comparison - 2. Interface -

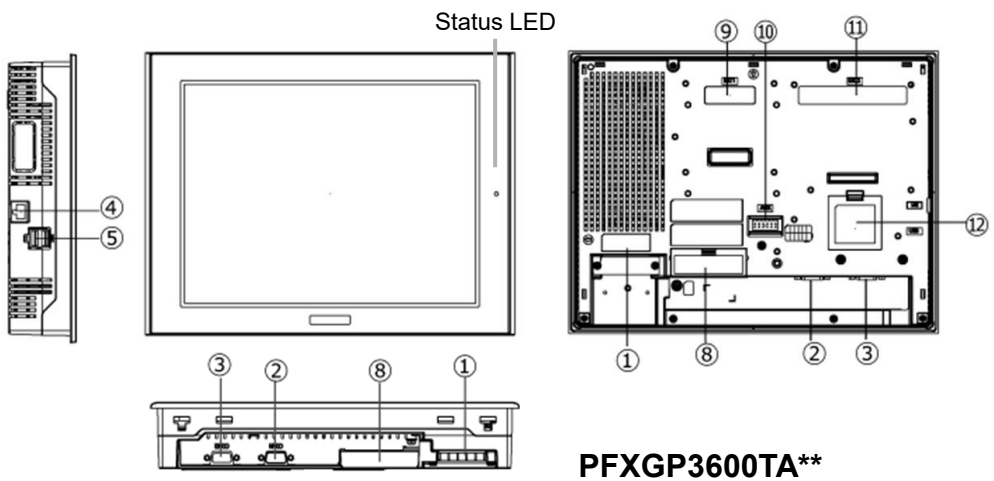
		PFXGP35*0TA**	PFXGP6500TA**	Points to note when replacing
Serial I/F	COM1	RS-232C/422/485（D-Sub 9pin Plug）	RS-232C (D-Sub 9pin Plug)	Please refer to 2-6. Other important notes on Hardware in this document.
	COM2	RS-422/485（D-Sub 9pin Socket)	RS-422/485 (D-Sub 9pin Plug)	
Ethernet I/F		10BASE-T/100BASE-TX (RJ-45) x 1	10BASE-T/100BASE-TX (RJ-45) x 2	
CF Card I/F		Compact Flash CF Card Slot (TYPE-II)	-	
SD Card I/F		-	SD Card slot x 1 (SD/SDHC/SDXC, UHS-I supported)	
USB I/F	Type A	USB 1.1 x 2 - USB transfer cable (CA3-USBCB-01)	USB 2.0 x1	No screen data transfer via Type A Only 1 port on GP6000
	Type micro-B	-	USB 2.0 x1 - USB transfer cable (PFXZUSCBMB2) or commercial USB micro-B transfer cable	
Auxiliary I/O I/F		✓	-	External Reset Input and 3 Outputs (RUN Output, System Alarm Output, and External Buzzer Output) that can be used for GP3000 series cannot be used.
Sound Output I/F		✓	-	The sound out function cannot be used with GP6000.
Expansion Unit I/F (1)		For Communication Unit x 1	-	Expansion unit options cannot be used.
Expansion Unit (2)		For Video Unit x 1	-	
Function Expansion Memory I/F		Install in function expansion memory interface cover	-	GP6000 has enough memory to support the functions.
Structure		Equivalent to IP65f NEMA #250 TYPE 4X/13 (Front surface at panel embedding)	IP65F, Type 1, Type 4X (indoor use only) and Type 13 (on the front panel when properly installed in an enclosure)	The description in the hardware manual is different, but the spec is the same.

Hardware Manual: GP6000 Series Standard Model User Guide

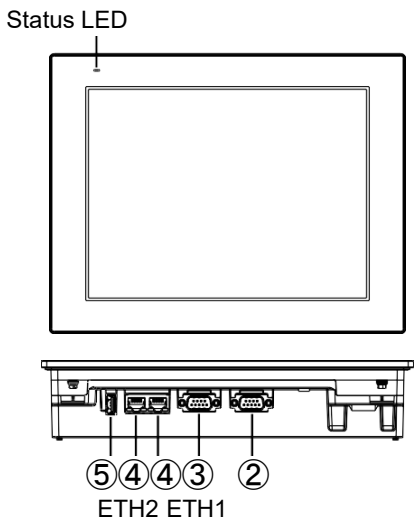
2-2. Standards Compatibility

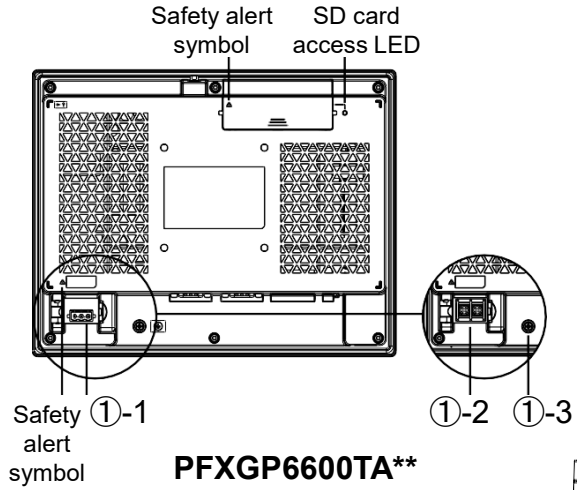
Certification	PFXGP3600TA**	PFXGP6600TA**
CE (EN61000-6-4, EN61000-6-2, EN61131-2)	✓	✓
UKCA	✓	✓
UL/cUL	✓ (UL508) (CSA C22.2 No.142)	✓ (UL61010-2-201) (CSA C22.2 No.61010-2-201)
UL/cUL Class 1, Div. 2	✓ (ANSI/ISA12.12.01) (CSA C22.2 No213)	✓ (UL121201) (CSA C22.2 No213)
ATEX (Zones 2/22, equipment category 3 Gas Dust)	✓ (DC models only)	Planned for DC models only
IECEx (Zones 2/22, equipment category 3 Gas Dust)	✓ (DC models only)	Planned for DC models only
UKEX	✓ (DC models only)	Planned for DC models only
KCs	✓ (DC models only)	Planned for DC models only
NEPSI → CCC-Ex	✓ (DC models only)	Planned for DC models only
RCM (C-Tick)	✓	✓
EAC (GOST-R)	✓	-
RoHS for EU	✓	✓
RoHS for China	✓	✓
REACH	✓	✓
CCC *apply for CCC exemption	-	-
KC	✓	✓
Marine (DNV, ABS, LR, BV, NK, RINA, CCS)	DC model: DNV, ABS, LR, BV, NK, RINA, CCS AC model: N/A	DC model: DNV, NK, EU RO MR (Planned) AC model: N/A
WEEE	✓	✓

2-3. Interface Compatibility

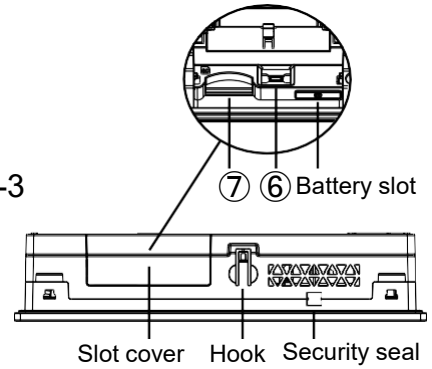


PFXGP3600TA**





PFXGP6600TA**



	GP3000 12” Models (PFXGP3600TA**)	GP6000 12” Models (PFXGP6600TA**)
①	Power connector (DC model) Power terminal block (AC model)	①-1: Power connector (DC model) ①-2: Power terminal block (AC model) ①-3: PE terminal (AC model only)
②	Serial Interface (COM1)	Serial Interface (COM1)
③	Serial Interface (COM2)	Serial Interface (COM2)
④	Ethernet Interface	Ethernet Interface (ETH1 / ETH2)
⑤	USB (Type A) Interface	USB (Type A) Interface
⑥	-	USB (micro-B) Interface
⑦	-	SD Card Slot
⑧	CF Card Interface	-
⑨	Expansion Unit Interface (for Communication Unit)	-
⑩	Auxiliary Input/Output (AUX) / Sound Output	-
⑪	Expansion Unit Interface (for VM Unit)	-
⑫	Function Expansion Memory I/F	-

NOTE: Please be careful when replacing, as the wiring will change significantly.
Please check GP6000 Series Standard Model User Guide for details such as interface specifications and pin assignments.

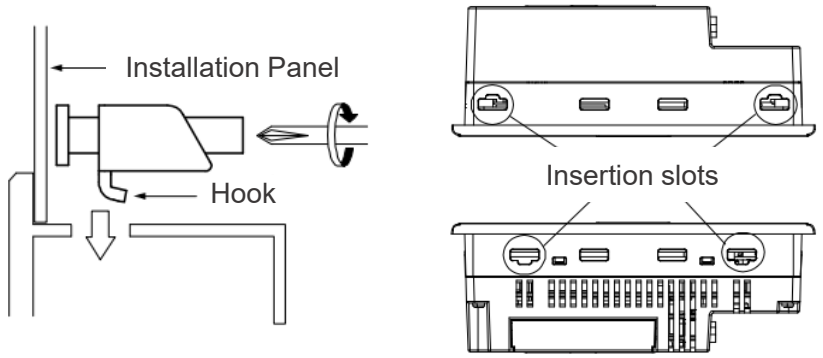
2-4. Installation Method Compatibility

Panel Cut Dimensions of GP6000 Series 12” models are the same as GP3000 Series 12” models.

PFXGP3600TA**

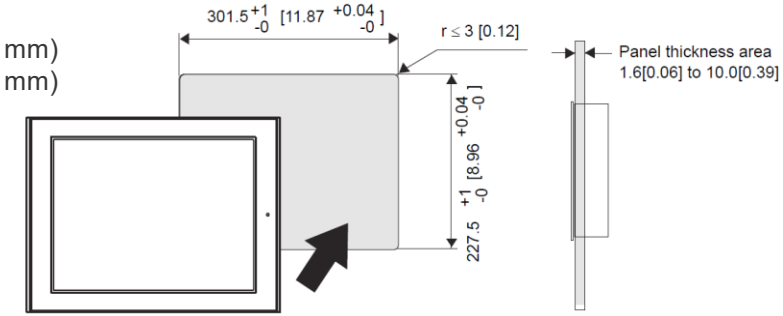
Insert the installation fastener hooks into the insertion slots of this product.

In a clockwise direction, tighten the installation fastener’s screws with a screwdriver. The necessary torque is 0.5 N•m.



■Panel Cut Dimensions

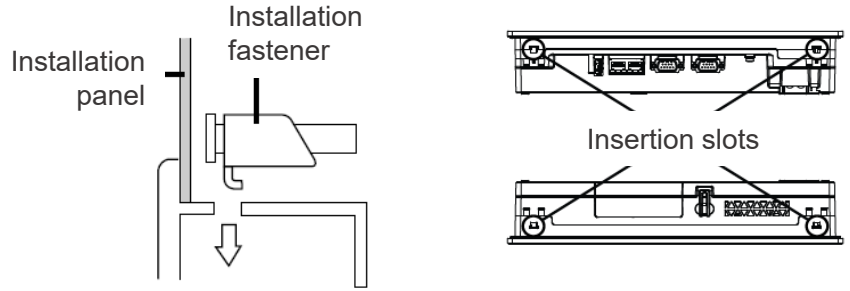
A: 301.5 mm (+1/-0 mm)
B: 227.5 mm (+1/-0 mm)
C: 1.6～10 mm



PFXGP6600TA**

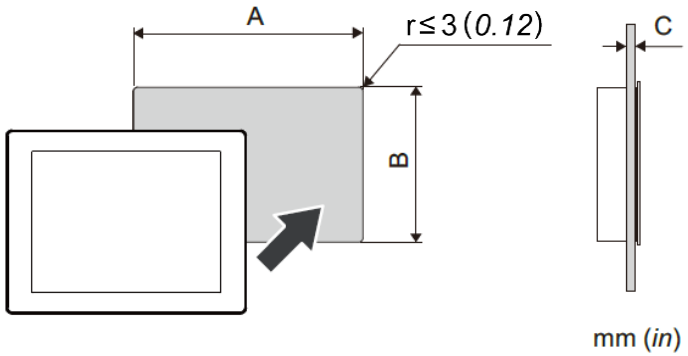
Insert the installation fastener hooks into the insertion slots of this product.

In a clockwise direction, tighten the installation fastener’s screws with a screwdriver. The necessary torque is 0.5 N•m.



■Panel Cut Dimensions

A: 301.5 mm (+1/-0 mm)
B: 227.5 mm (+1/-0 mm)
C: 1.6～5 mm



NOTE: The same installation fasteners (P/N: PFXZC3AT1) can be used for GP6000 Series.
Please check GP6000 Series Standard Model User Guide for installation requirements and procedure.

2-5. Option compatibility – Serial Interface

Product Name	Product Number (Pro-face CR)		Description	Compatibility
	PFXGP3600TA**	PFXGP6600TA**		
RS-232C Cable (5m)	PFXZC3CBR251 (CA3-CBL232/5M-01)		Cable for RS-232C connection between various hosts and this product	✔
RS-422 Cable (5m)	PFXZC3CBR451 (CA3-CBL422/5M-01)		Cable for RS-422 connection between various hosts and this product (Socket Type)	✔
RS-422 Cable (5m)	PFXZC3CBR452 (CA3-CBL422-01)		Cable for RS-422 connection between various hosts and this product (Plug Type)	✔
Mitsubishi PLC A-Series Connection Cable (5m)	PFXZC3CBA51 (CA3-CBLA-01)		Cable for directly connecting an A Series CPU	✔
Mitsubishi PLC Q-Series Connection Cable (5m)	PFXZC3CBQ51 (CA3-CBLQ-01)		Cable for directly connecting a Q Series CPU	✔
Mitsubishi PLC Q-Series Link Cable (5m)	PFXZC3CBQL51 (CA3-CBLLNKMQ-01)		Cable for directly connecting a Q Series Link Unit	✔
Mitsubishi PLC FX-Series Connection Cable (1m)	PFXZC3CBFX11 (CA3-CBLFX/1M-01)		Cable for directly connecting an FX Series CPU	✔
Mitsubishi PLC FX-Series Connection Cable (5m)	PFXZC3CBFX51 (CA3-CBLFX/5M-01)		Cable for directly connecting an FX Series CPU	✔
Omron PLC SYSMAC Link Cable (5m)	PFXZC3CBSYS51 (CA3-CBLSYS-01)		Cable for directly connecting a SYSMAC Link Unit	✔
Siemens TTY Converter Cable (5m)	PFXZC6CBTTY51 (CA6-CBLTTY/5M-01)		Cable for connecting a PLC S5 series to this product	✔
MPI Cable (3.5m)	PFXZGPCBMPPE1 (ST03-A2B-MPI21-PFE) GP3000-MPI21-PFE (PFXZGPCBMPPE4) PFXZGPCBMPPE5 (CA3-MPI-PG1-PFE) PFXZGPCBMPPE6 (CA3-MPI-PGN-PFE)	PFXZGPCBMPPE1 (ST03-A2B-MPI21-PFE)	Connects a host controller to this product for MPI communication.	✔

NOTE: Products may be changed or discontinued without notice. Please check our website for the latest information.

2-5. Option compatibility – Serial Interface

Product Name	Product Number (Pro-face CR)		Description	Compatibility
	PFXGP3600TA**	PFXGP6600TA**		
Multi-Link Cable (5m)	PFXZC3CBML1 (CA3-CBLMLT-01)		Connects a host controller to this product for multi-link (n:1) communication *End of sale	✔
	-	PFXZCBCBML1		NEW
RS-232C 9-pin/25-pin Conversion Cable (20cm)	PFXZC3CBCVR21 (CA3-CBLCBT232-01)		Cable for converting a D-Sub 9-pin plug to a D-Sub 25-pin socket	✔
RS-422C 9-pin/25-pin Conversion Cable (20cm)	PFXZC3CBCVR41 (CA3-CBLCBT422-01)	-	Cable for converting a D-Sub 9-pin plug to a D-Sub 25-pin socket * End of sale	-
	-	PFXZCBCBCVR41	Cable for converting a D-Sub 9-pin plug to a D-Sub 25-pin socket	NEW
2 Port Adapter Cable (5m)	PFXZC3CBMD1 (CA3-MDCB11)	-	Connects Mitsubishi PLC to this product using 2 port adapter II (RS-422) *End of sale	No
Mitsubishi PLC A, QnA, FX Series 2 Port Adapter II	PFXZGPADMD1 (GP070-MD11)	-	Allows simultaneous use of this product and a Mitsubishi PLC A, QnA, FX Series peripheral device. *End of sale	No
COM Port Conversion Adapter	PFXZC3ADCM1 (CA3-ADPCOM-01)		Connects optional RS-422 communication items to serial interface.	✔
RS-422 Terminal Block Conversion Adapter	-	PFXZCBADTM1	Connects output from a serial interface (D-sub 9 pin plug) directly to an RS-422 terminal block.	NEW
Terminal Block Conversion Adapter	PFXZC3ADR41 (CA3-ADPTRM-01)		Connects output from a serial interface (D-sub 9 pin socket) directly to an RS-422 terminal block.	✔
RS-232C Isolation Unit	PFXZC3ADISR21 (CA3-ISO232-01)		Connects a host controller to this product and provides isolation (RS-232C and RS-422 are switchable).	✔
On-line adapter	PFXZC4ADCM1 (CA4-ADPONL-01)	-	Connects a host controller to this product with provides isolation.(RS-422 and RS-485 are switchable.)	-
Siemens COM Port Conversion Adapter	PFXZC3ADSE1 (CA3-ADPSEI-01)	-	Terminal adapter in the case of performing RS-422/RS-485 communication at COM2 port.	-
RS-485 Isolation Unit	PFXZC3ADISR81 (CA3-ISO485-01)	-	Connects Siemens PLCs to the AGP. (for RS-485 communication)	-

NOTE: Products may be changed or discontinued without notice. Please check our website for the latest information.

2-5. Option compatibility – USB Interface

Product Name	Product Number (Pro-face CR)		Description	Compatibility
	PFXGP3600TA**	PFXGP6600TA**		
USB Transfer Cable (2m)	PFXZC3CBUSA1 (CA3-USBCB-01)	-	Cable for transferring screen data between a PC (USB Type A) and this product (USB Type A)	N/A of USB A to A screen transfer
USB Transfer Cable	-	PFXZUSCBMB2	Cable for transferring screen data from a PC (USB Type A) to this product (USB micro-B)	NEW
USB Cable (5m)	PFXZC0CBUS1 (FP-US00)		Connects a USB printer (Type B)	✔*1
USB Front Cable (1m)	PFXZC5CBUBEX1 (CA5-USBEXT-01)		Extension cable that attaches USB interface (Type A) to front panel	✔
USB (micro-B) Front Cable	-	PFXZCIEXMB2	Extension cable that attaches USB interface (micro-B) to front panel	NEW
USB Clamp Type A (1 port)	-	PFXZCBCLUSA1	Clamp to prevent disconnection of USB cable (USB/A, 1 port, 5 clamps/set)	NEW
USB-Serial (RS-232C) Conversion Cable (0.5m)	PFXZC6CBCVUSR21 (CA6-USB232-01)		Cable for converting a USB interface into a serial interface (RS-232C)	✔*1
USB-Serial (RS-422/485) Conversion Adapter	-	PFXZCBCBCVUSR41	Adapter for connecting this product (USB Type A) to an external device (RS-422/RS-485)	NEW*1
USB Clamp mini-B (1 port)	-	PFXZC9USCLMB1	Clamp to prevent disconnection of USB cable (USB/mini-B, 1 port, 5 clamps/set)	NEW
EZ Tower Light tube mounting fixing plate	PFXZCETWHA1	PFXZCETWHA1	USB Connection Type Monolithic EZ Tower Light tube mounting with fixing plate 3 tiers, Ø60, lighting and flashing with a buzzer	✔*1
EZ Tower Light with base mounting	PFXZCETWW1	PFXZCETWW1	USB Connection Type Monolithic EZ Tower with base mounting 3 tiers, Ø60, lighting and flashing with a buzzer	✔*1
EZ Illuminated Switch	-	PFXZCCEUSG1	A unit of 5 illuminated switches with multiple color LED easily connected with this product unit via USB	NEW*1

*1 Plan to support by future version of GP-Pro EX.
NOTE: Products may be changed or discontinued without notice. Please check our website for the latest information.

2-5. Option compatibility – Other options

Product Name	Product Number (Pro-face CR)		Description	Compatibility
	PFXGP3600TA**	PFXGP6600TA**		
CF Card (128MB)	CA3-CFCALL/128MB-01	-	CF Card to insert into the CF card slot of this product.	-
CF Card (256MB)	CA3-CFCALL/256MB-01	-		-
CF Card (512MB)	CA3-CFCALL/512MB-01	-		-
CF Card (1GB)	CA3-CFCALL/1GB-01	-		-
CF Card (2GB)	CA3-CFCALL/2GB-01	-		-
CF Card Adapter	GP077-CFAD10	-	Used for read/write of CF Card data via a PC's PCMCIA slot.	-
SD Memory Card	-	PFXZCBSD4GC41	SD memory card (4 GB), SDHC	NEW
	-	PFXZCSD16GC101	SD memory card (16 GB), SDHC	NEW
	-	PFXZCSD32GC101	SD memory card (32 GB), SDHC	NEW
	-	PFXYP6SD64GCX	SD memory card (64 GB), SDHC	NEW
Screen Protection Sheet	PFXZC3DS121 (CA3-DFS12-01)	-	Disposable, dirt-resistant sheet for the GP unit screen (5 sheets/set)	-
	-	PFXZC7DS121		NEW
Environment Cover	-	PFXZCBOP122	Disposable, environmental resistant cover for 5-inch screen (1 sheet)	NEW
Function Expansion Memory	GP3000-EXDM01	-	Pro-face's Screen Editor's alarm and text table Function Expansion Memory	-

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2-5. Option compatibility – Expansion Unit

Product Name	Product Number (Pro-face CR)		Description	Compatibility
	PFXGP3600TA**	PFXGP6600TA**		
VM Unit	GP2000-VM41	-	Video-Mix Unit (32,000 colors, Video Input x 4ch, Analog RGB Input/Output x 1ch each)	-
	GP3000-VM01	-	Video-Mix Unit (262,000 colors, Video Input x 4ch, DVI Input/Output x 1ch each)	-
DVI Input Unit	GP3000-DVI01	-	Expansion Unit to enable DVI input (1ch).	-
RGB Input Unit	GP3000-RGB201	-	Expansion Unit to enable analog RGB input (2ch).	-
PROFIBUS-DP Slave Unit	PFXZC5EUPFS (CA5-PFSALL/EX-01)	-	Expansion Unit for connecting GP to PROFIBUS network or communicating with a PROFIBUS-DP master.	-
Device Net Slave Unit	PFXZC6EUDNS1 (CA6-DNSALL/EX-01)	-	Expansion Unit for connecting GP to DeviceNet network or communicating with a DeviceNet master.	-
CC-Link Unit	PFXZC7EUCL1 (CA7-CCLALL/EX-01)	-	Expansion Unit for connecting GP to CC-Link network or communicating with a CC-Link master.	-
CANopen Slave Unit	PFXZC9EUCA1 (CA9-CANALL/EX-01)	-	Expansion unit, for communicating with the CANopen master and connecting the GP to a CANopen network.	-

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2-5. Option compatibility – Maintenance options

Product Name	Product Number (Pro-face CR)		Description	Compatibility
	PFXGP3600TA**	PFXGP6600TA**		
Installation Fastener	PFXZC3AT1 (CA3-ATFALL-01)		Installation fastener (4 pieces/set)	✔
Installation Gasket	PFXZC3WG121 (CA3-WPG12-01)	-	Provides dust and moisture resistance when this product is installed into a solid panel (1 piece)	Use the option for GP6000
	-	PFXZHWG51		
Replacement Backlight *1	PFXZC3BL121 (CA3-BLU12-01)	-	This backlight is used for replacement	-
Connector Cover	PFXZC3CVBUS1 (CA3-BUSCVR-01)	-	Protects the AGP unit's rear face connector	-
AUX Connector	PFXZC5CNAX1 (CA5-AUXCNALL-01)	-	AUX connector for GP3000 series required in case an external output is used	-
USB Clamp Type A	PFXZC5CLUSBL (CA5-USBATL-01)	-	USB Cable clamp to prevent disconnection	-
DC Power Supply Connector	PFXZC5CNDCL1 (CA5-DCCNL-01)	-	Connector to connect DC power supply cables (5 pieces/set)	Use the option for GP6000
	-	PFXZCBCNDC2		
Battery for Memory Backup	-	*2	Primary battery for memory and time data backup (1 piece)	-

*1 The corresponding backlight unit depends on your GP's revision. For details, please refer to GP3000 Series Hardware Manual.
*2 The battery in the GP6000 can be replaced by the customer. Use only the BR2032 (manufactured by Panasonic Corporation) battery as a replacement.

NOTE: Products may be changed or discontinued without notice. Please check our website for the latest information.

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2-6. Other Important Notes on Hardware

- About Serial Interface
  - The Serial Interface specifications (such as pin assignment and the shape of plug/socket) of GP6000 are different from GP3000. For the details, please refer to GP6000 Series Standard Model User Guide.
  - The RS-232C device that was connected via COM1 on GP3000 will be connected via COM1 on GP6000. (The same cable connection can be used.)
  - The RS-422/485 device that was connected via COM1 on GP3000 will be connected via COM2 on GP6000. (The same cable connection can be used.) Before GP6000 is connected, be sure to change the port setting to "COM2" in "Device/PLC Settings“ on GP-Pro EX. Also, please check the communication settings again with "GP-Pro-EX Device/PLC Connection Manual“ just in case.
  - If you have configured GP3000 to connect both COM1 and COM2 to the RS-422/485 devices, you will only be able to connect them via COM2 when replacing to GP6000.

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2-6. Other Important Notes on Hardware

- About USB Interface (Type A)
  - GP3000 has two USB ports (USB Type A), but GP6000 has only one.
    If devices are connected to both USB ports on GP3000, use an USB hub for multiple connections on GP6000.
    When making such multiple connections, please be sure to conduct operation check by yourself before use.
  - Also, since the power supply capacity (Bus Power) from the USB interface is limited, we recommend using a USB hub with a power supply.
    NOTE: Several USB devices of the same category in the following table cannot be simultaneously used. Even if multiple USB devices of the same category are connected to the display unit, only the first USB device recognized by the display unit can be used.

Category	USB Device
1	Printer, USB-PIO converter
2	Keyboard, Numeric keys, Barcode reader
3	Mouse
4	USB storage (USB memory, CF/SD card reader, and so on)
5	USB transfer cable
6	USB-Serial (RS-232C) adapter cable, USB/RS-422/485 conversion adapter
7	EZ Tower Light
8	EZ Fingerprint Recognition Unit
9	EZ Illuminated Switch
10	EZ Numpad
11	EZ LAN Adapter

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2-6. Other Important Notes on Hardware

- Do not expose the hardware to direct sunlight.
- This product is not designed for outdoor use. UL certification obtained is for indoor use only.
- Do not turn on the hardware if condensation has occurred inside the device.
- The panel brightness may decrease when used for a long time in an environment continuously filled with inert gas. Please ventilate the control panel periodically.

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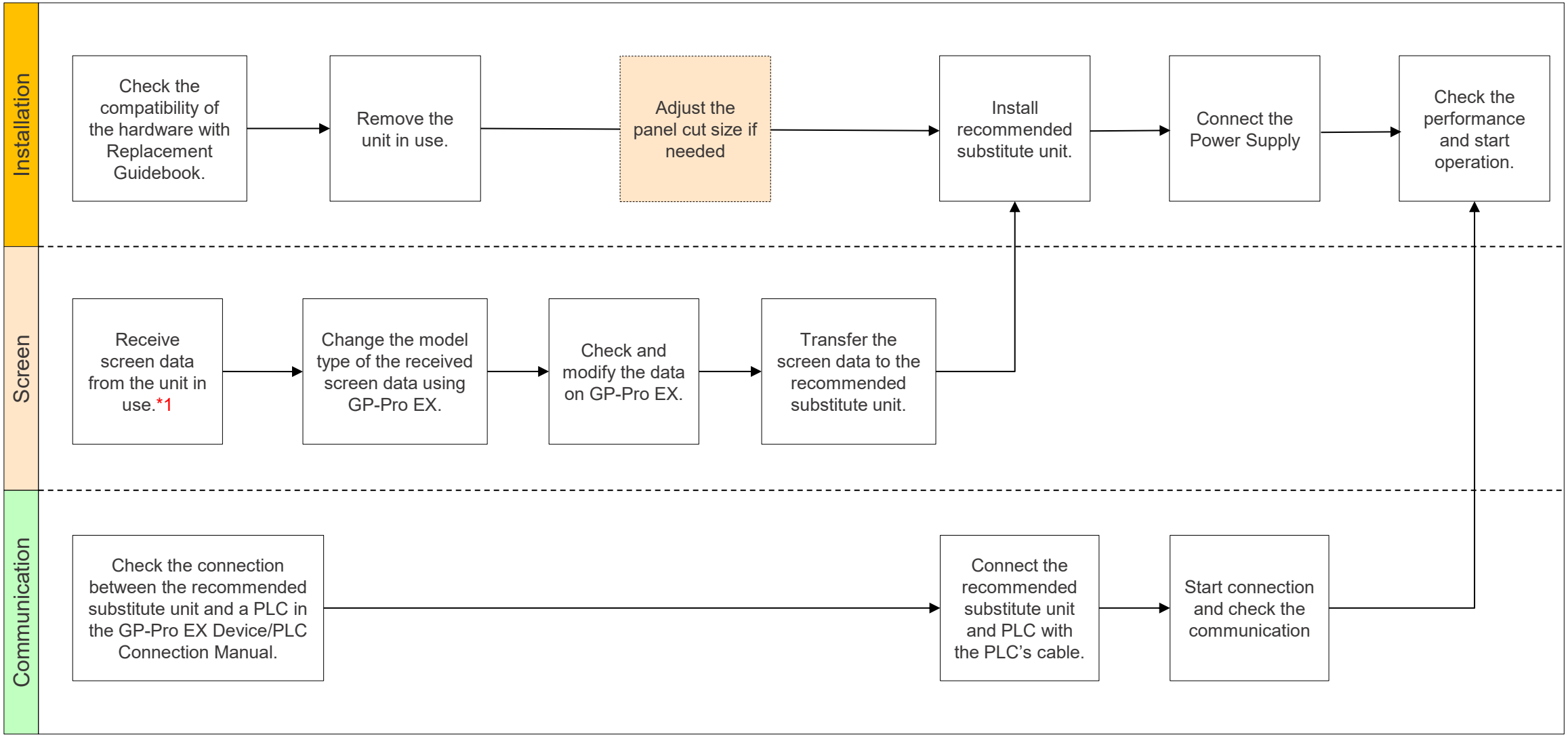
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3. Software Section

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3-1. Replacement Procedure – Workflow



*1: This step is required if screen data is saved only in the GP unit, not in any other device.

3-1. Replacement Procedure – Preparation

Requirements for receiving screen data from the unit in use *1	PC in which GP-Pro EX Transfer Tool is installed. *2
	Transfer Cable (the followings can be used) USB transfer cable: PFXZC3CBUSA1 (Type A – Type A) *It's also possible to send/receive a screen via CF card, USB storage device or Ethernet.
Requirements for converting screen data of the unit in use and transferring the converted data to Recommended substitute unit	PC with GP-Pro EX installed GP6000 Series supported version: V5.00.000 or later NOTE: Need to purchase the software license to transfer project from GP-Pro EX Ver. 5.00.000 or later
	Transfer Cable (the followings can be used) USB transfer cable: PFXZUSCBMB2 (Type A – Type micro-B) or commercial type *It's also possible to send/receive a screen via Ethernet.

*1: This step is required if screen data is saved only in the HMI unit, not in any other device.
If you already have the screen data backup, please go to "3-1. Replacement Procedure – Change model to recommended substitute unit (GP-Pro EX)".

*2: Please use the same or later version of the software used when creating screens on the old model. If you don't know the software version, we recommend that you use the latest one. You can download the latest transfer tool from our website.
https://www.proface.com

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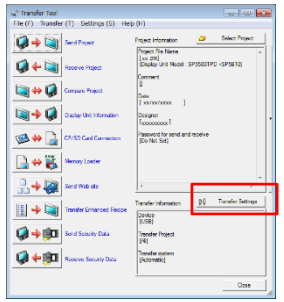
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3-1. Replacement Procedure – Receive Screen data from the model in use (GP-Pro EX)

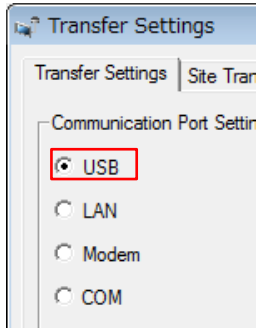
In this section, we will introduce how to receive screen data with a USB transfer cable as an example. If you have the backup of screen data, this step is not necessary. Please go to the next section.

1. Connect your PC and the model in use with a USB transfer cable. If the driver of the cable has not been installed on your PC yet, a dialog box will appear. Please follow the instructions.

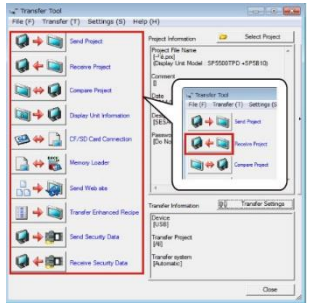
2. Start the Transfer Tool of GP-Pro EX.



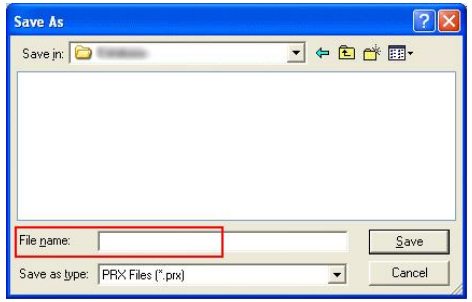
3. Make sure that the [Device] in the “Transfer Settings Information” is set to [USB]. If not, click the [Transfer Setting] button to open the “Transfer Setting” dialog box. Select [USB] in the Communication Port Settings field and click [OK].



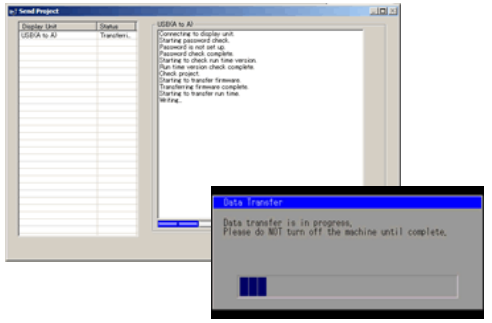
4. Start GP-Pro EX Transfer Tool and click the [Receive Project] button.



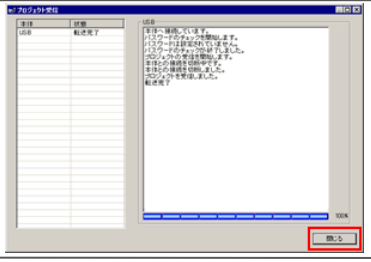
5. Click [Receive Project], and the following dialog box will appear. Specify a place to save the received data in and a project file name, and then click [Save] to start transfer.



6. The following dialog box appears during transfer, and you can check the communication status. (The display unit enters the Transferring mode and communication with the device such as a PLC is terminated.)



7. When transfer is completed, the status displayed in the dialog box will change from [Transferring] to [Complete Transfer]. Click [Close] to close the dialog box.

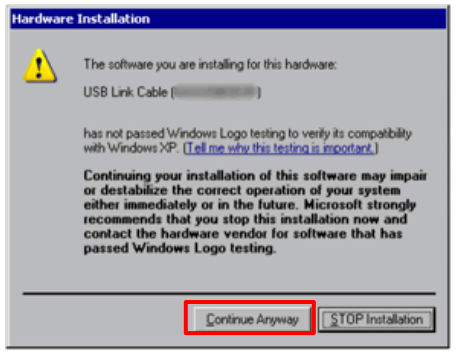


8. Close the Transfer Tool.

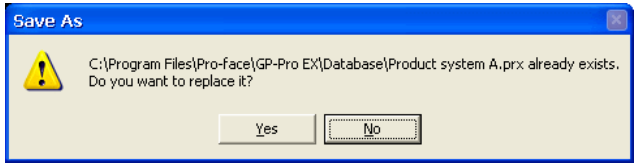
3-1. Replacement Procedure – Receive Screen data from the model in use (GP-Pro EX)

NOTES

- The “Hardware Installation” dialog box as shown on the right may appear during installing the USB driver depending on the security level of Windows®. Click [Continue Anyway] to start installing the driver. When installation is completed, click [Finish].



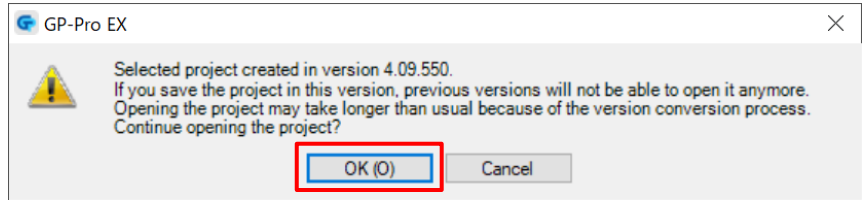
- When the file already exists, a window will appear asking if you want to overwrite the file.

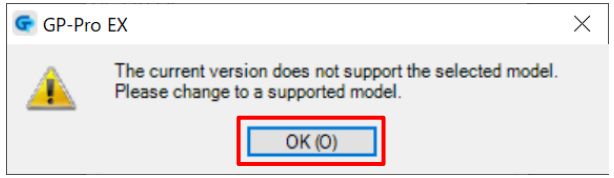


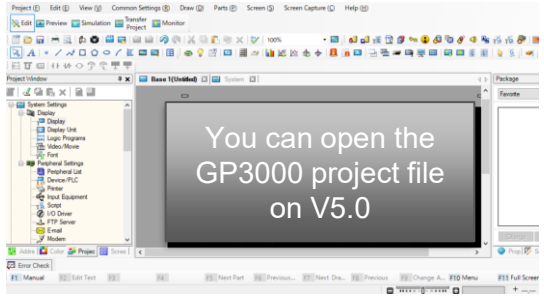
- When receiving a project file that uses SD card/USB memory data such as Recipe Function (CSV data), the following dialog box will appear during the transfer. Please specify where to save the data. Click [OK] to return to the [Receive Project] dialog box and complete the transfer.



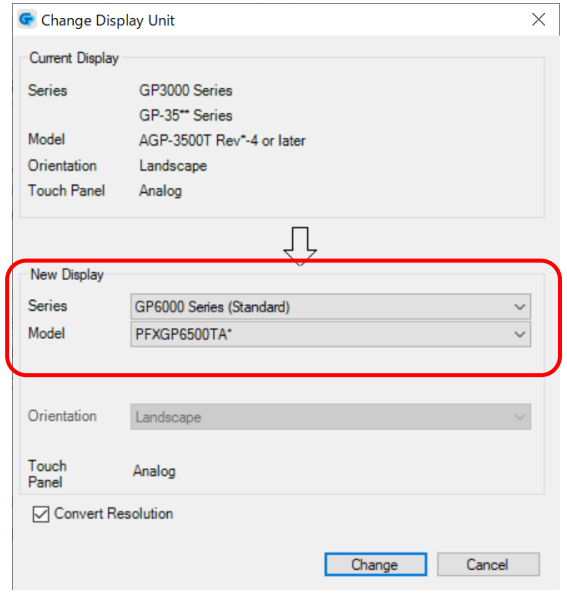
- GP3000 Series is not supported by GP-Pro EX V5.0 or later. Therefore, when you open the received data from GP3000 Series on GP-Pro EX V5.0 or later, you’ll see the error message like below.





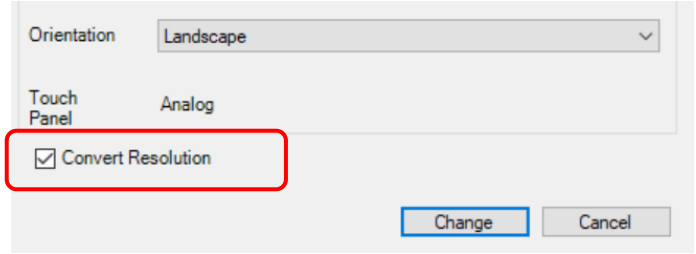


3-1. Replacement Procedure – Change model to recommended substitute unit (GP-Pro EX)



Change the Display unit from GP3000 Series to GP6000 Series (Standard).
The display can be changed from the menu bar “Project” → “System Settings” → “Display” → “Change Display” in GP-Pro EX.

If you check on [Convert Resolution] when changing the Display Unit type (as shown below), you can adjust both size and location of the part and the text relative to the display resolution automatically. But still, you may need to adjust them manually. Please pay attention to the following points.



- A function that requires absolute coordinates. Please adjust the settings manually.
  - **Global window**
  - **Position Animation**
- Due to font size and resolution restrictions, manual changes may be required. Please resize them if needed
  - **Font:** In the case of using Standard font, the size will be smaller. You can improve by using Stroke font or Image font.
  - **Objects**
  - **Parts**
  - **Images**
  - **Alarm parts**
- Position may differ from the original project. Please check the coordinate of the window and adjust if needed.
  - **Window display**

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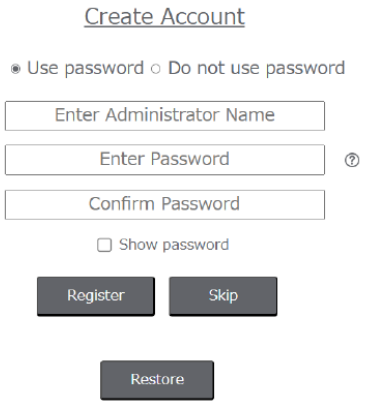
3-1. Replacement Procedure – Transfer screen data to recommended substitute unit (GP-Pro EX)

After turning on the product for the first time, perform the system setup. For the detailed procedure, refer to **System Settings** section in GP6000 Series Standard Model User Guide

1. Turn on the power of the product.

2. The Create Account screen is displayed. Create an administrator user account for the System Settings. Enter the username and password, then touch the Register button.

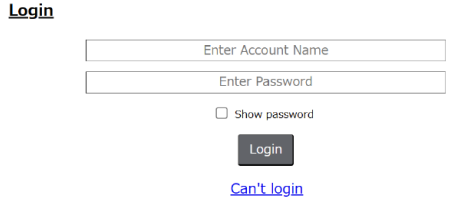
NOTE:
- Passwords should be at least 8 digits long and include at least one uppercase letter, one lowercase letter, one number, and one special character.
- Although you can operate the product without using password authentication, we recommend setting a password to keep the product secure.



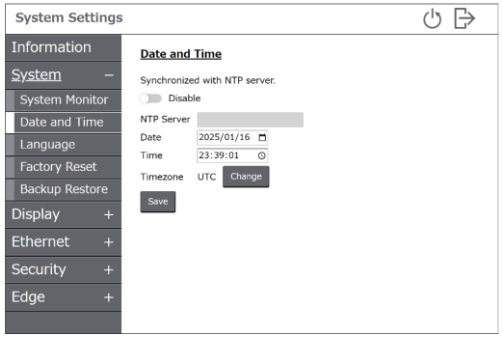
3. The Welcome screen is displayed. Touch System Settings.



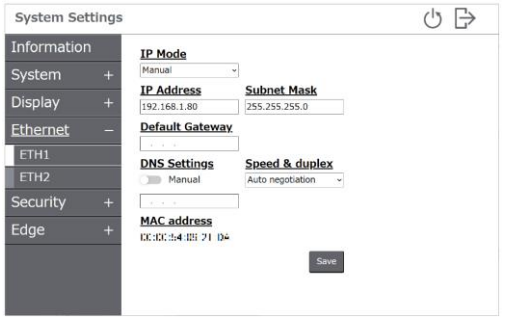
4. The Login screen is displayed. Enter the username and the password set earlier, then touch the Login button.



5. The System Settings menu screen is displayed. Select System > Date and Time to set the clock, then touch the Save button.



6. From the menu, select Ethernet. Change the network settings as required and touch the Save button.



7. Change other settings as required. For information on system settings functions, refer to GP6000 Series Hardware Manual.

8. Touch the logout icon at the top right of the screen. The Welcome screen is displayed.

(continue to the next page)



3-1. Replacement Procedure – Transfer screen data to recommended substitute unit (GP-Pro EX)

In this section, we will introduce how to transfer screen data via Ethernet (LAN) as an example.

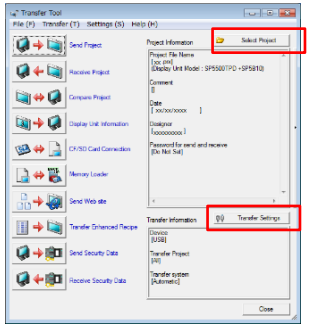
1. After the initial setup on GP6000 (in the previous page), Welcome screen is displayed.



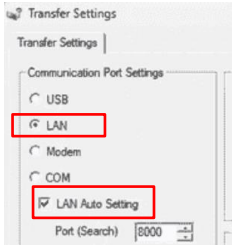
2. Connect the LAN cable to the display unit to establish the network with the PC installed with GP-Pro EX. (Set up the same network IP address on your PC.)

3. On the GP-Pro EX status bar, click the [Transfer Project] icon and launch the Transfer Tool.
Confirm the project details in [Project Information]. To transfer a different project, click the [Select Project] button and choose the appropriate project.

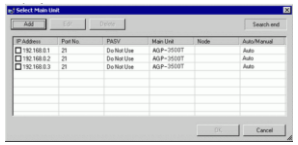
Click [Transfer Setting] to display the [Transfer Tool] dialog box.



4. Click Ensure that [Communication Port Settings] is set to [LAN]. Select the [LAN Auto Setting] check box and click [OK].



5. Click [Send Project].
The [Select Display Unit] dialog box displays the IP addresses of the display units available on the network.



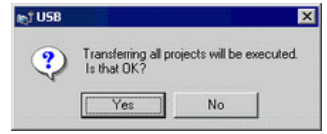
6. Select each IP address of the display unit to which you want to transfer and click [OK]. When multiple IP addresses are checked, the project is sent to multiple display units at once.

7. Set the connection key and click [OK].

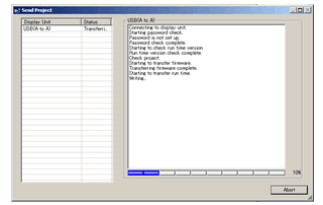
NOTE: If you forget the connection key, you will not be able to connect to the display unit. For more information about connection key, refer to GP-Pro EX reference manual (34.14.4 How the Connection Key Works).



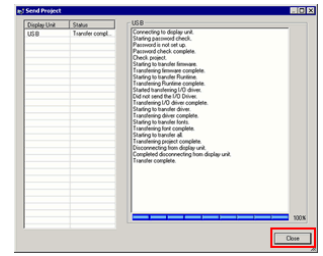
8. When the following dialog box appears, click [Yes].



9. The transfer begins. The following dialog box appears during transfer, and you can check the communication status. (The display unit changes to Transferring mode and communication with the device/PLC is suspended.)



10. When transfer is completed, the state of the dialog box changes from [Transferring] to [Transfer Complete]. Click [Close].



3-2. Software Compatibility – GP-Pro EX Supported Feature Comparison

Specification UP in GP6000

NOT supported in GP6000

GP-Pro EX Feature		PFXGP3600TA**	PFXGP6600TA**
Display	Screen Area (Application memory, unit: byte)	16M*1	128MB
	Portrait Installation	✔	To be supported (Schedule: TBD)
	Function Expansion Memory	✔	-
	Installing the USB/RS-422/485 Conversion Adapters	-	To be supported (Schedule: TBD)
	MAC Address Display	✔	✔
External Storage	CF Card	✔	-
	SD Card	-	✔
	CFast Card	-	-
	USB storage	✔	✔
	FTP server	✔	✔
System Settings	Drawing in 256 colors	✔	✔
	Reverse Display	-	-
	Blink	✔	✔
	Faded Color Blink	✔	✔
	Synchronize Text Display with Text Table	✔	✔
	Time Zone settings	-	✔*2
	Enhanced System Password	-	✔
	Detect Backlight Burnout	✔	-
	Dimmer settings	-	✔*3
	2-point touch / Multitouch	-	-
	Display the SD/USB Removal Icon	-	✔

*1 On display units before Rev.4, the screen area is 8 MB. *2 Set in the System Settings. *3 While dimmed, brightness settings you can use are 0 to 100.

3-2. Software Compatibility – GP-Pro EX Supported Feature Comparison

Specification UP in GP6000

NOT supported in GP6000

GP-Pro EX Feature		PFXGP3600TA**	PFXGP6600TA**
System Settings	Screen Capture	✔	✔
	SRAM Auto Backup	✔	✔
	Image Font	✔	✔
	Bitmap Font	✔	✔
	Standard Font	✔	✔
	Port Control	-	✔
Device/PLC Communication *1	Number of Devices/PLCs that can communicate simultaneously	4	4
	Specify Indirect Device	✔	✔
	Import Device/PLC tags	-	✔
	Ethernet Multilink	✔	✔
	Device Monitor	✔	✔
	Ladder Monitor	✔	-
Transfer	LAN Transfer	✔	✔
	USB Transfer	✔	✔
	Modem Transfer	✔	-
	SIO Transfer (COM Connection)	✔	-
	Memory loader feature	✔	-
	CF/SD Card Connection	✔	✔
	Connection Key	-	✔

*1: Depends on the type of connected PLC/Device.

3-2. Software Compatibility – GP-Pro EX Supported Feature Comparison

Specification UP in GP6000

NOT supported in GP6000

GP-Pro EX Feature		PFXGP3600TA**	PFXGP6600TA**
Common Settings	Change Backlight Color	-	-
	Clock Update Settings	-	✔
	Start Screen Settings	-	✔
	Date format on CSV file output	✔	✔
	Divide destination folders by file numbers	✔	✔
	Increase Alarm Type [Extended] settings and Text Table index numbers	✔*1	✔
	Alarm Message Multiple Line Display	✔	✔
	Attach Data Value to Operation Log	✔	✔
	Changing passwords at run time (CSV file)	✔	✔
	Changing passwords at run time (password change screen)	-	✔
	User ID Mode-Enhanced	-	✔
	Append Date/Time to CSV File Name	-	✔
	Transfer sampling CSV file to FTP	-	✔
	Transferring sampled data to the cloud	-	✔
	Indirectly specify Sampling Frequency and Alarm Settings	✔	✔
	Sampling data/Enhanced recipe data format co-exist	-	✔
	Create a recipe (CSV data) index file at runtime	✔	✔
	Enhanced Recipes	-	✔
	Extended Script copy file function	✔	✔
	Global Trigger	-	✔

*1 Requires attaching function expansion memory (optional part).

3-2. Software Compatibility – GP-Pro EX Supported Feature Comparison

Specification UP in GP6000

NOT supported in GP6000

GP-Pro EX Feature		PFXGP3600TA**	PFXGP6600TA**
Common Settings	Movie record/play feature	-	-
	Use Image unit	✔	-
	Sound Output Feature	✔	-
	AUX	✔	-
	Retentive Variables Function	✔	✔
	PDF Settings	-	✔
Parts	Selector List	✔	✔
	XY Graph	✔	✔
	Indirectly specify a block of Alarm parts	✔	✔
	Special Data Display [File Manager] sort function and default path	✔	✔
	Special Data Display [File Manager] copy file to FTP	✔	✔
	Message Display's Bulletin Message	✔	✔
	Image Sensor Display	✔	✔
	Animation	✔	✔
	Alarm History Message Flow Display	-	✔
	Alarm History / Sampling Data / Enhanced Recipe Data Refine Search / Sort Function	-	To be supported (Schedule: TBD)
	Alarm Analysis Function	-	To be supported (Schedule: TBD)
Logic *1	Logic Program Operation	✔	✔
	I/O Driver	-	-
	Function Block	✔	✔

*1: Unable to use with USB-Serial (RS-232C) adaptor cable or USB/RS-422/485 conversion adapter.

3-2. Software Compatibility – GP-Pro EX Supported Feature Comparison

Specification UP in GP6000

NOT supported in GP6000

GP-Pro EX Feature		PFXGP3600TA**	PFXGP6600TA**
Network	RPA Function (end of support from Ver.4.09.400)	✔	-
	GP-Viewer EX	✔	To be supported (Schedule: TBD)
	FTP Function	✔*1	✔*2
	Web Server (end of support from Ver.4.09.450)	-	-
	Camera-Viewer EX	-	-
	Pro-face Remote HMI	-	✔
	E-mail	-	To be supported (Schedule: TBD)
	GP Remote Printer Server	✔	To be supported (Schedule: TBD)
	Pro-face Connect (models you can register as SiteManager)	-	✔*3
	IPsec	-	✔
	DHCP Function	-	✔*3
	Changing the IP address using system variables	-	✔
	Pro-Server EX	✔	To be supported (Schedule: TBD)
Input Equipment / Peripheral Equipment (USB Device)	USB Keyboard	✔	✔
	EZ Illuminated Switch	-	To be supported (Schedule: TBD)
	EZ Tower Light	-	To be supported (Schedule: TBD)
	EZ LAN Adapter	-	-

*1 Does not support encryption of transmission data using FTPS.
*2 Supports encryption of transmission data using FTPS.
*3 Set in the System Settings.

3-2. Software Compatibility – Supported Software Version

Supported Software	PFXGP3600TA**	PFXGP6600TA**	Compatibility of Project Data
GP-Pro EX	✔	✔ Ver. 5.00.000 or later	✔
	https://www.pro-face.com/otasuke/files/manual/gpproex/new/refer/gpproex.htm		
Pro-Server EX	✔	To be supported (Schedule: TBD)	-
	https://www.pro-face.com/otasuke/files/manual/soft/server_ex/v1_37/ref/SRPreface.htm		
Pro-face Remote HMI (iOS/Android)	-	✔	✔
		https://www.pro-face.com/otasuke/qa/remotehmi/faq.html	
Pro-face Remote HMI Client for Win	-	✔	✔
		https://www.proface.com/en/product/soft/remotehmi_client/download	
Pro-face Connect	-	✔	✔

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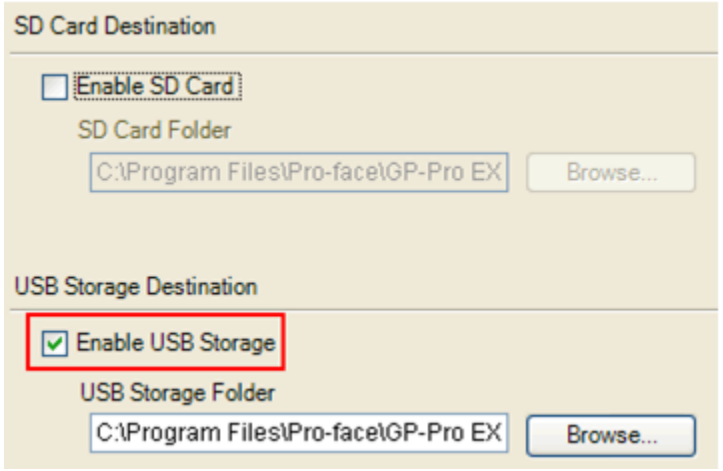
3-3. Other Important Notes on Software

- Changing the setting of the external media to use
  - If a CF card is used for GP3000 Series, after the display unit type of the project file is changed to GP6000 Series, “a CF card” is automatically replaced with “a SD card” for the external media setting.

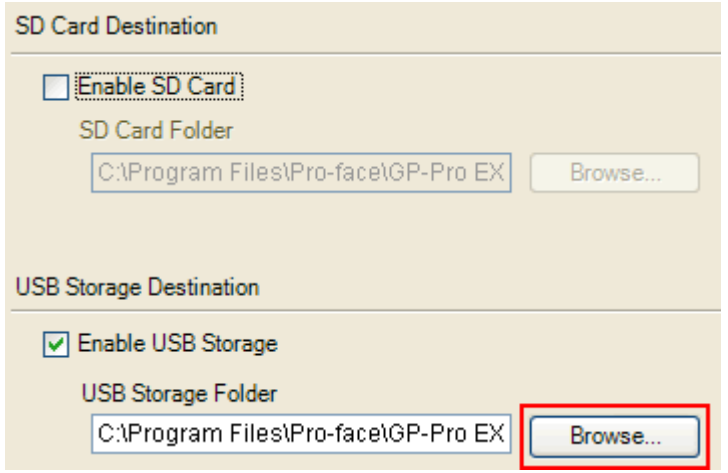
  - To use a USB memory storage instead of SD card, change the settings on GP-Pro EX according to the following procedure.

< Procedure >

1) Click [Project] → [Information] → [Destination Folder]
2) Uncheck “Enable SD Card” and check “Enable USB Storage”.



3) Click the [Browse] button and specify a destination folder.



4) Click [OK] to confirm the setting.
5) Click [Project]->[Save] to save changes.
6) Check each function that uses the CF Card and replace the setting with [USB Storage].



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