



Easy! Smooth!

# Replacement Guidebook (Hardware)

GP4000M→STM6000 (GP-Pro EX)

The 1<sup>st</sup> Edition Dec. 2021

# Update History

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Date	Edition	Updated Slide	Description
2020/12/15		-	Newly created

# Preface

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This guidebook introduces the procedures to replace a unit from “GP4000M series” to a “STM6000 series (GP-Pro EX)”. The recommended substitute models are as follows.

Model in use		Recommended substitutes	
GP-4201TM (Modular Type)	PFXGM4201TAD	STM-6200WA(GP-Pro EX)	PFXSTM6200WADE
GP-4301TM (Modular Type)	PFXGM4301TAD	STM-6400WA(GP-Pro EX)	PFXSTM6400WADE
GP4000M Multi-Converter	PFXGM4B01D	STM6000 Gateway (GP-Pro EX)	PFXSTM6B00DE

# Safety Information

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## HAZARD OF OPERATOR INJURY, OR UNINTENDED EQUIPMENT DAMAGE

- Before operating any of these products, be sure to read all related manuals thoroughly.
- Be sure to do installation, connection, and maintenance by a person who is familiar with the construction method of electrical equipment, related laws and regulations, and has appropriate technology.

We shall not be liable for any serious injury to human life, damage to equipment, or any other consequences if used without observing these.

# Agenda

0

[Summary](#)

1

**Specification Comparison**

GP-4201TM vs STM-6200WA (GP-Pro EX)	<a href="#">1.1 Basic Information</a>	<a href="#">1.2 Interface</a>
GP-4301TM vs STM-6400WA (GP-Pro EX)	<a href="#">1.1 Basic Information</a>	<a href="#">1.2 Interface</a>
GP4000M Multi-Converter vs STM6000 Gateway (GP-Pro EX)	<a href="#">1.1 Basic Information</a>	<a href="#">1.2 Interface</a>

2

[Standards compatibility](#)

3

[Hardware compatibility](#)

4

[Option compatibility](#)

5

[Software compatibility](#)

6

[Other important notes](#)

**Pro-face**<sup>TM</sup>  
by Schneider Electric

# Summary

The replacement from GP4000M series to STM6000 series generally keeps compatibility, but the following points are the main points to note.

- Display size: STM6000 series are bigger than GP4000M series.

GP4000M series	STM6000 series
3.5"	4.3"W
5.7"	7"W

- Display resolution: STM6000 series have a better resolution but need to convert resolution by the software to use old project data from GP4000M series. For more details, please refer to Chapter1 from software replacement procedure "Replacement Guidebook (Software)\_EN\_ver2. pdf".

<b>GP-4201TM</b>	320 x 240 pixels (QVGA)	<b>STM-6200WA</b>	480 x 272 pixels (WQVGA)
<b>GP-4301TM</b>	320 x 240 pixels (QVGA)	<b>STM-6400WA</b>	800 x 480 pixels (WVGA)
<b>GP4000M Multi-Converter</b>	320 x 240 pixels (QVGA)	<b>STM6000 Gateway</b>	480 x 272 pixels (WQVGA) 800 x 480 pixels (WVGA)

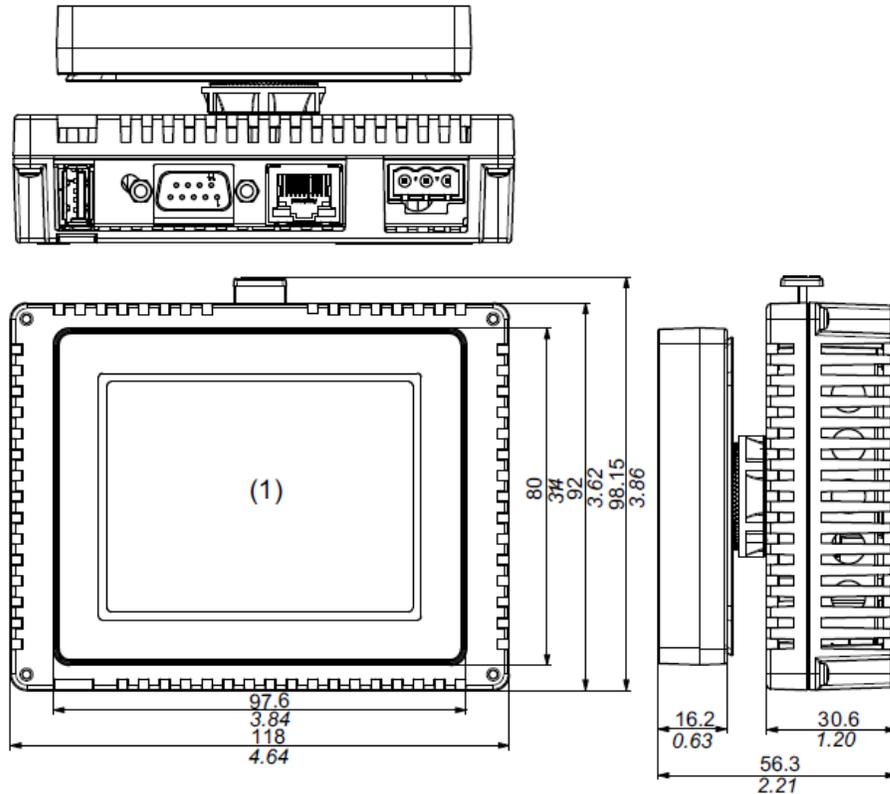
- External Dimensions: STM6000 series will be bigger than GP4000M series, it is necessary to check the dimensions of the HMI installation location. Please see the next page for the comparison.

# Summary

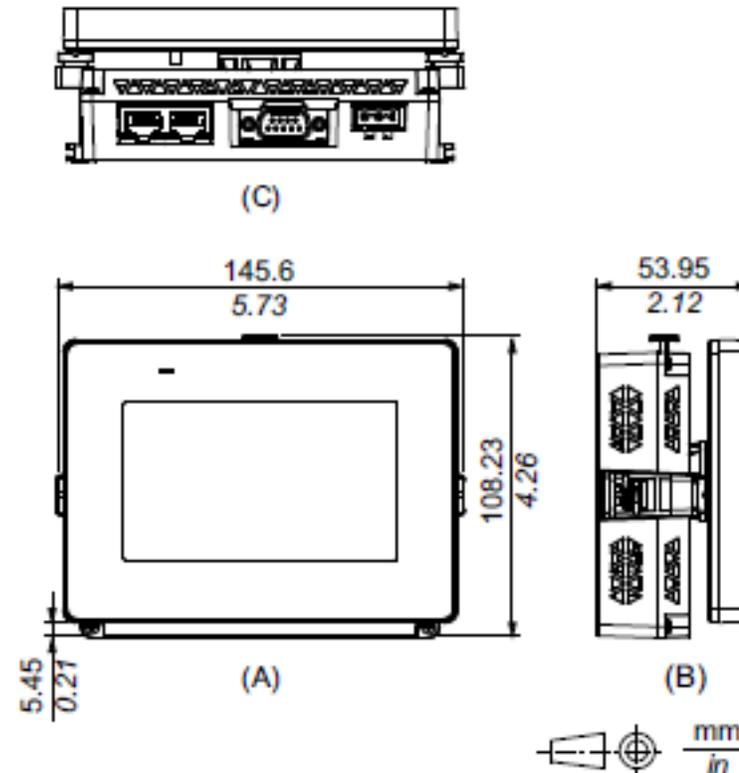
External Dimensions : GP-4201TM vs STM-6200WA

GP-4201TM	STM-6200WA	Differences from GP-4201TM to STM-6200WA (mm)
W118 x H98.15 x D56.3 (with Rear module)	W145.6 x H108.23 x D53.95 (with Rear module)	W+27.6 x H+10.08 x D-2.35

## GP-4201TM



## STM-6200WA

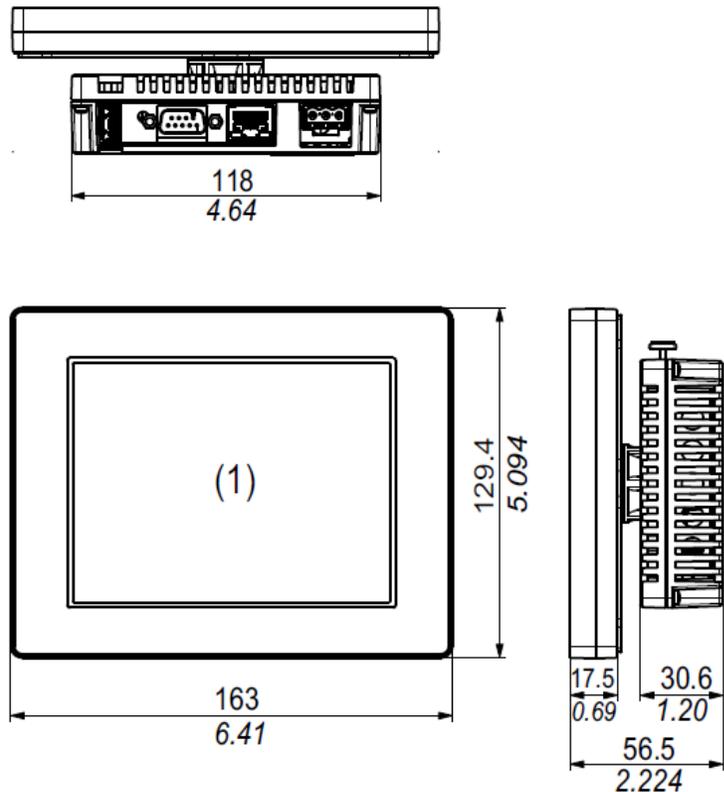


# Summary

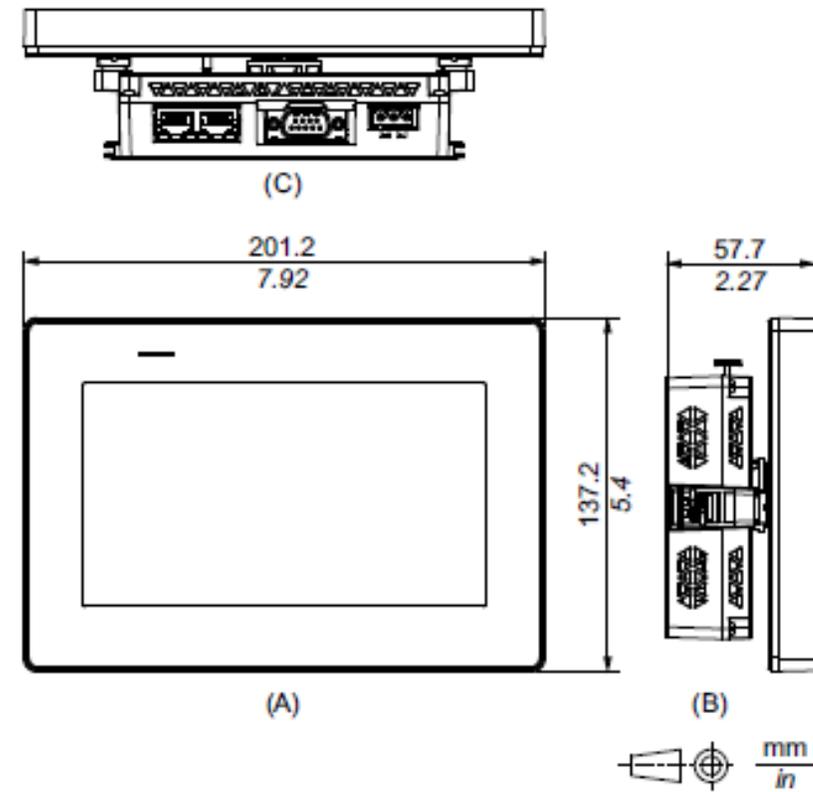
External Dimensions : GP-4301TM vs STM-6400WA

GP-4301TM	STM-6400WA	Differences from GP-4201TM to STM-6200WA (mm)
W163 x H129.4 x D56.5 (with Rear module)	W201.2 x H137.2 x D57.7 (with Rear module)	W+38.2 x H+7.8 x D+1.2

## GP-4301TM



## STM-6400WA

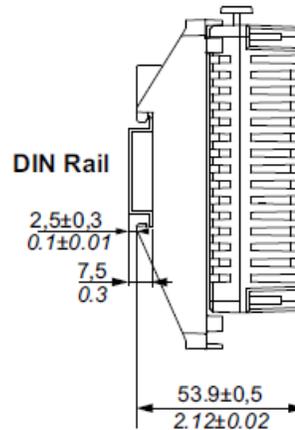
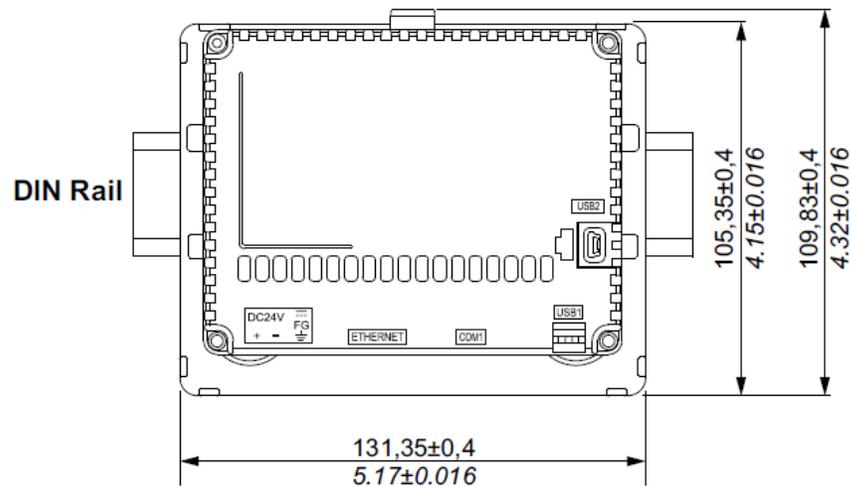


# Summary

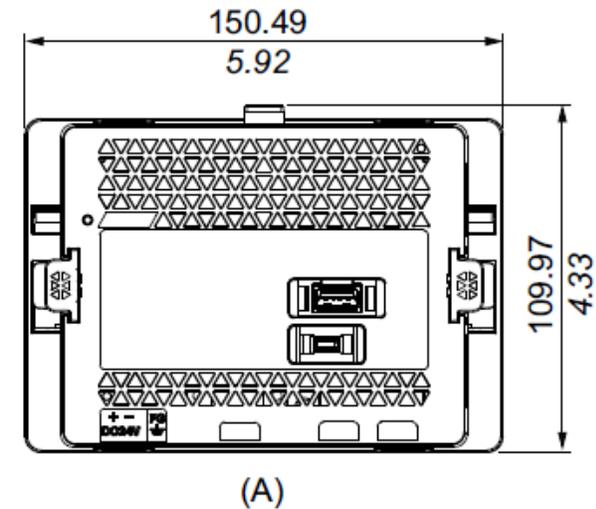
## External Dimensions : GP4000M Multi-Converter vs STM6000 Gateway

GP4000M Multi-Converter	STM6000 Gateway	Differences from GP-4201TM to STM-6200WA (mm)
W131.35 x H109.83 x D53.9 (With Rear Module Installation Adapter)	W150.49 x H109.97 x D63.3 (With Rear Module Installation Adapter)	W+19.14 x H+0.14 x D+9.4

### GP4000M Multi-Converter



### STM6000 Gateway



# 1. GP-4201TM vs STM-6200WA(GP-Pro EX) Specification comparison -1. Basic information-

		GP-4201TM	STM-6200WA (GP-Pro EX)	Compatibility
Display Size		3.5"	4.3"W	UP!
Display Type		TFT color LCD	TFT color LCD	○
Display Colors		65,536 color	16 million color	UP!
Display Resolution		320 x 240 pixels (QVGA)	480 x 272 pixels (WQVGA)	× UP!
Backlight		White LED (Not replaceable)	White LED (Not replaceable)	○
	Service life	50,000 hours or more (continuous operation at 25 ° C [77 ° F] before backlight brightness decreases to 50%)	50,000 hours or more (continuous operation at 25 ° C [77 ° F] before backlight brightness decreases to 25%)	×
Panel Cutout Dimensions (mm)		Without an Anti-rotation Tee :22.50 x 1.5~6mm x 3~6mm With an Anti-rotation Tee:22.50 x 4.00mm x 30.00mm	Without an Anti-rotation Tee :22.50 x 1.5~6mm x 3~6mm With an Anti-rotation Tee:22.50 x 4.00mm x 30.00mm	○
External Dimensions		W118 x H98.15 x D56.3 (with Rear module)	W145.6 x H108.23 x D53.95 (with Rear module)	×
Touch Panel	Type	Resistive film (analog, single touch)	Resistive film (analog, single touch)	○
	Service life	1 million times or more	1 million times or more	○
Memory	Application	FLASH EPROM 8MB	FLASH EPROM 64MB	UP!
	Local Storage	-	-	Please refer to the <a href="#">FAQ</a> for the available capacity of each memory.
	Backup Memory	nvSRAM 128KB	MRAM 320KB	
Backup Battery		-	Not replaceable battery/Primary battery for clock data backup	UP!
Input Voltage		24Vdc	24Vdc	○
Mounting		22.5mm hole mount	22.5mm hole mount	○

# 1. GP-4201TM vs STM-6200WA (GP-Pro EX) Specification comparison -2. Interface-

		GP-4201TM	STM-6200WA (GP-Pro EX)	Compatibility
Serial I/F	COM1	RS-232C/RS-422/RS-485 (D-Sub 9pin Plug)	RS-232C/RS-422/RS-485 (D-Sub 9pin Plug) <a href="#">Isolation unit</a>	○ Please check the <a href="#">manual</a> for the communication cable.
	COM2	-	-	○
Ether net I/F		x1: IEEE802.3i/ IEEE802.3u, 10BASE-T/100BASE-TX (RJ-45)	x2: IEEE802.3i/IEEE802.3u, 10BASE-T/100BASE-TX (RJ-45)	UP!
CF Card I/F		-	-	○
SD Card I/F		-	-	○
USB I/F	Type A	x1 USB2.0 -USB transfer cable (CA3-USBCB-01)	x1 USB 2.0	○
	Type mini B	x1 USB2.0 -USB data transfer cable(ZC9USCBMB1) or commercial USB miniB transfer cable	-	× Please use Type micro B instead.
	Type micro B	-	x1 USB 2.0 -USB transfer cable(PFXZUSCBMB2) or commercial USB microB transfer cable	UP!
Auxiliary I/O I/F		-	-	○
Sound Output I/F		-	-	○
Field Bus / Expansion Unit I/F		-	-	○

\* ○ Compatible  
× Not Compatible

Hardware Manual: <https://www.proface.com/en/download/stm6000/manual/hardware>

# 1. GP-4301TM vs STM-6400WA (GP-Pro EX) Specification comparison -1. Basic Information-

		GP-4301TM	STM-6400WA (GP-Pro EX)	Compatibility
Display Size		5.7"	7"W	UP!
Display Type		TFT color LCD	TFT color LCD	○
Display Colors		65,536 color	16 million color	UP!
Display Resolution		320 x 240 pixels (QVGA)	800 x 480 pixels (WVGA)	× UP!
Backlight		White LED (Not replaceable)	White LED (Not replaceable)	○
	Service Life	50,000 hours or more (continuous operation at 25 ° C [77 ° F] before backlight brightness decreases to 50%)	50,000 hours or more (continuous operation at 25 ° C [77 ° F] before backlight brightness decreases to 25%)	×
Panel Cutout Dimensions (mm)		Without an Anti-rotation Tee :22.50 x 1.5~6mm x 3~6mm With an Anti-rotation Tee:22.50 x 4.00mm x 30.00mm	Without an Anti-rotation Tee :22.50 x 1.5~6mm x 3~6mm With an Anti-rotation Tee :22.50 x 4.00mm x 30.00mm	○
External Dimensions		W163 x H129.4 x D56.5 (with Rear module)	W201.2 x H137.2 x D57.7 (with Rear module)	×
Touch Panel	Type	Resistive film (analog, single touch)	Resistive film (analog, single touch)	○
	Service Life	1 million times or more	1 million times or more	○
Memory	Application	FLASH EPROM 8MB	FLASH EPROM 64MB	UP!
	Local Storage	-	-	Please refer to the FAQ for the available capacity of each memory.
	Backup Memory	nvSRAM 128KB	MRAM 320KB	
Backup Battery		-	Not replaceable battery/Primary battery for clock data backup	UP!
Input Voltage		24Vdc	24Vdc	○
Mounting		22.5mm hole mount	22.5mm hole mount	○

# 1. GP-4301TM vs STM-6400WA (GP-Pro EX) Specification comparison -2. Interface-

		GP-4301TM	STM-6400WA (GP-Pro EX)	Compatibility
Serial I/F	COM1	RS-232C/RS-422/RS-485 (D-Sub 9pin Plug)	RS-232C/RS-422/RS-485 (D-Sub 9pin Plug) <a href="#">Isolation unit</a>	○ Please check the <a href="#">manual</a> for the communication cable.
	COM2	-	-	○
Ethernet I/F		x1: IEEE802.3i/ IEEE802.3u, 10BASE-T/100BASE-TX (RJ-45)	x2: IEEE802.3i/IEEE802.3u, 10BASE-T/100BASE-TX (RJ-45)	UP!
CF card I/F		-	-	○
SD card I/F		-	-	○
USB I/F	Type A	x1 USB2.0 -USB transfer cable (CA3-USBCB-01)	x1 USB 2.0	○
	Type mini B	x1 USB2.0 -USB data transfer cable(ZC9USCBMB1) or commercial USB miniB transfer cable	-	× Please use Type micro B instead.
	Type micro B	-	x1 USB 2.0 -USB transfer cable(PFXZUSCBMB2) or commercial USB microB transfer cable	UP!
Auxiliary I/O I/F		-	-	○
Sound Output I/F		-	-	○
Field Bus / Expansion Unit I/F		-	-	○

Hardware Manual: <https://www.proface.com/en/download/stm6000/manual/hardware>

# 1. GP4000M Multi-Converter vs STM6000 Gateway (GP-Pro EX) Specification comparison -1. Basic Information-

		GP4000M Multi-Converter	STM6000 Gateway (GP-Pro EX)	Compatibility
Input Voltage		24Vdc	24Vdc	○
Ambient air temperature		0 to 50 ° C (Storage Temperature: -20 to 60 ° C)	0 to 50 ° C (Storage Temperature: -20 to 60 ° C)	○
Display Colors		65,536 color	16 million color	UP!
Display Resolution		320 x 240 pixels (QVGA)	480 x 272 pixels (WQVGA) 800 x 480 pixels (WVGA)	× UP!
Number of connected drivers		2	2	○
External Dimensions (mm)		W131.35 x H109.83 x D53.9 (With Rear Module Installation Adapter)	W150.49 x H109.97 x D63.3 (With Rear Module Installation Adapter)	×
Memory	Application	FLASH EPROM 8MB	FLASH EPROM 64MB	UP! <a href="#">Please refer to the FAQ</a> for the available capacity of each memory.
	Local Storage	-	-	
	Backup Memory	nvSRAM 128KB	MRAM 320KB	
Backup Battery		-	Not replaceable battery/Primary battery for clock data backup	UP!
Structure		IP20	IP20	○
Mounting		DIN Rail mount	DIN Rail mount	○

# 1. GP4000M Multi-Converter vs STM6000 Gateway (GP-Pro EX) Specification comparison -2. Interface-

		GP4000M Multi-Converter	STM6000 Gateway (GP-Pro EX)	Compatibility
Serial I/F	COM1	RS-232C/RS-422/RS-485 (D-Sub 9pin Plug)	RS-232C/RS-422/RS-485 (D-Sub 9pin Plug) <a href="#">Isolation unit</a>	○ Please check the <a href="#">manual</a> for the communication cable.
	COM2	-	-	○
Ethernet I/F		x1: IEEE802.3i/ IEEE802.3u, 10BASE-T/100BASE-TX (RJ-45)	x2: IEEE802.3i/IEEE802.3u, 10BASE-T/100BASE-TX (RJ-45)	UP!
CF card I/F		-	-	○
SD card I/F		-	-	○
USB I/F	Type A	x1 USB2.0 -USB transfer cable (CA3-USBCB-01)	x1 USB 2.0	○
	Type mini B	x1 USB2.0 -USB data transfer cable(ZC9USCBMB1) or commercial USB miniB transfer cable	-	× Please use Type micro B instead.
	Type micro B	-	x1 USB 2.0 -USB transfer cable(PFXZUSCBMB2) or commercial USB microB transfer cable	UP!
Auxiliary I/O I/F		-	-	○
Sound Output I/F		-	-	○
Field Bus / Expansion Unit I/F		-	-	○

Hardware Manual: <https://www.proface.com/en/download/stm6000/manual/hardware>

## 2. Standards compatibility

\* O Supported  
× Not Supported

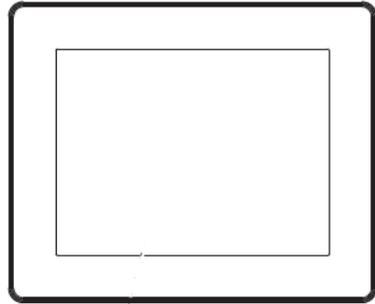
Certification	GP4000M	STM6000 (GP-Pro EX)
CE (EN61000-6-4, EN61000-6-2, EN61131-2)	O	O
UL/cUL	O (UL508) (CSA C22.2 No.142)	O (UL61010-2-201) (CSA C22.2 No.61010-2-201)
UL/cUL Class 1, Div. 2	O (ANSI/ISA12.12.01) (CSA C22.2 No213)	O (UL121201) (CSA C22.2 No213)
ATEX (Zones 2/22, equipment category 3 Gas Dust)	O	Planned *1
IECEX (Zones 2/22, equipment category 3 Gas Dust)	O	Planned *1
KCs	X	X
NEPSI	X	X
RCM (C-Tick)	O	O
EAC (GOST-R)	O	O *2
RoHS for EU	O	O
RoHS for China	O	O
REACH	O	O
CCC *apply for CCC exemption	-	-
KC	O	O
Marine (DNV-GL, ABS, LR, BV, NK, RINA, CCS)	DNV-GL	O (RINA and BV: Planned *1)
WEEE	O	O

\*1: Please contact our Customer Service for the latest information.

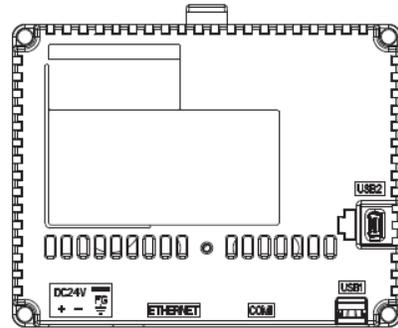
\*2: Certification is already available but Marking on the product will be supported later.(Please contact our Customer Service for the latest information.)

# 3. Hardware compatibility

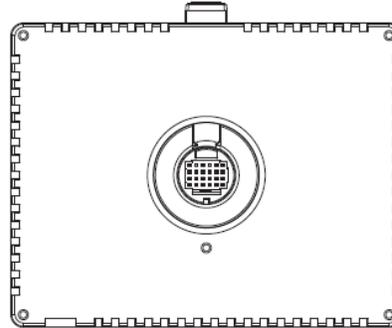
## GP4000M



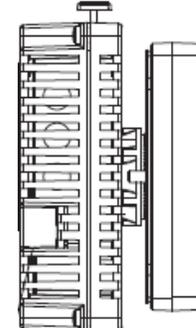
Display Module Front



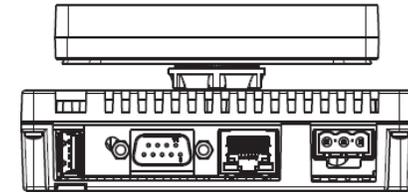
Rear Module Front



Rear Module Back

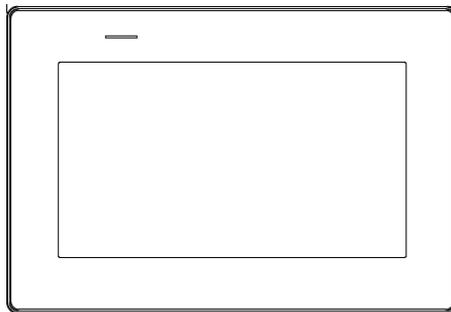


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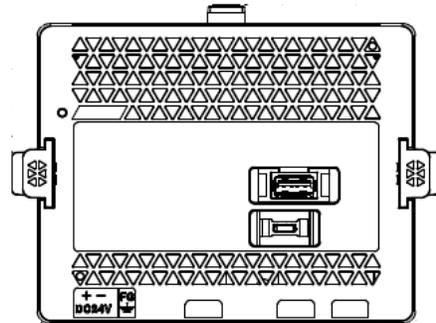


Bottom

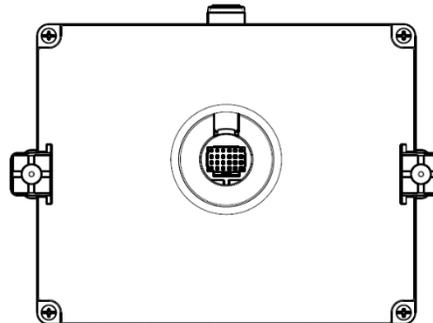
## STM6000 (GP-Pro EX)



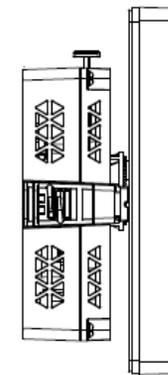
Display Module Front



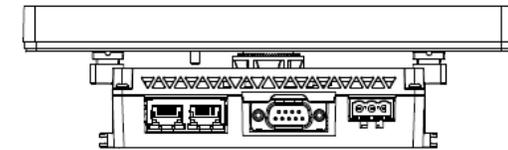
Rear Module Front



Rear Module Back



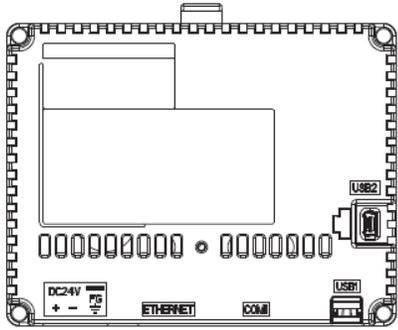
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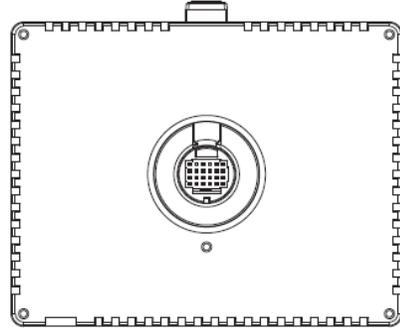
Bottom

# 3. Hardware compatibility

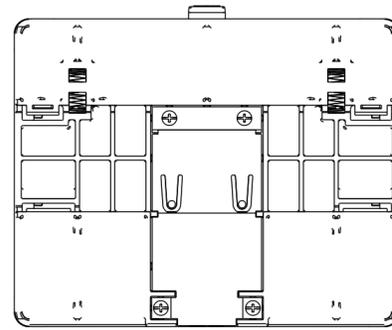
## GP4000M Multi-Converter



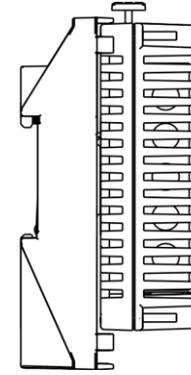
Rear Module Front



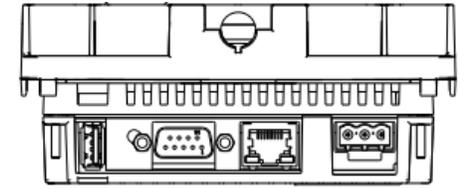
Rear Module Back



Rear Module Installation  
Adapter Front

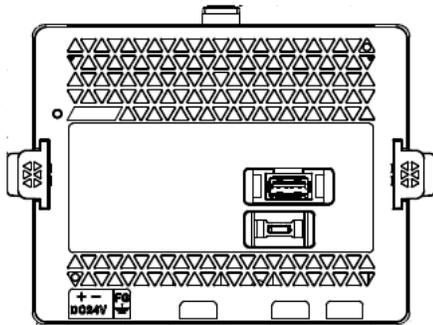


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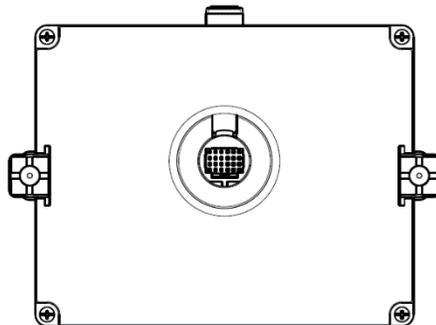


Bottom

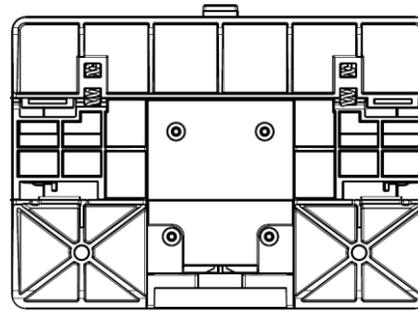
## STM6000 Gateway (GP-Pro EX)



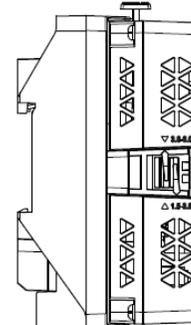
Rear Module Front



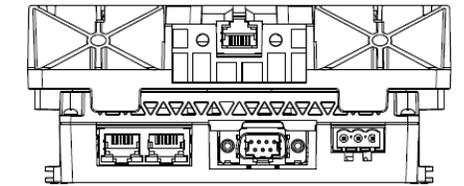
Rear Module Back



Rear Module Installation  
Adapter Front

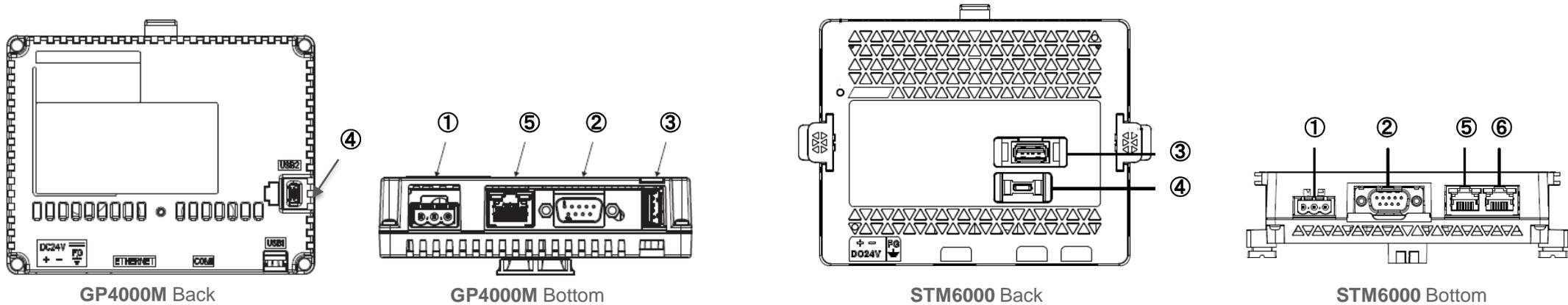


Left



Bottom

# 3. Hardware compatibility



	GP4000M	STM6000 (GP-Pro EX)
①	Power Connector (DC)	Power Connector (DC)
②	Serial Interface (COM1)	Serial Interface (COM1)
③	USB (Type A) Interface	USB (Type A) Interface *1
④	USB (mini-B) Interface	USB (micro-B) Interface
⑤	Ethernet Interface (ETH1)	Ethernet Interface(ETH1)
⑥	-	Ethernet Interface(ETH2)

\*1: Interface of USB Type A changed from bottom to back of the module. Please be aware of the space in the panel.

Please check the hardware manual for details such as interface specifications and pin assignments. :

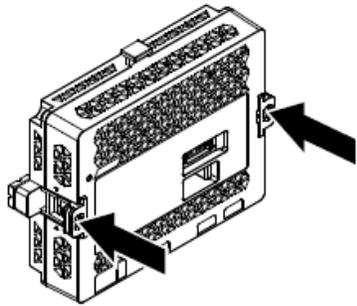
Hardware Manual: <https://www.proface.com/en/download/stm6000/manual/hardware>

# 3. Hardware compatibility

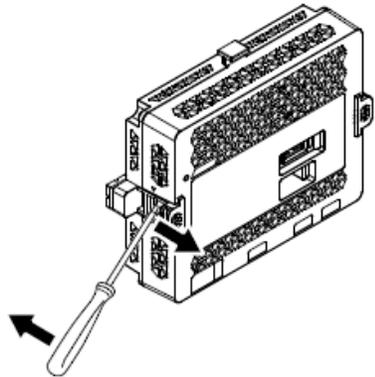
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## Note about Installation

5. If the panel thickness is 3.8 mm (0.15 in) or less, push in the bumper on the rear module until you hear a click. If the panel thickness is more than 3.8 mm (0.15 in), do not change the bumper position.



**NOTE:** To return the bumper to its original position, use a screwdriver or other tool as a lever to push the bumper up.



# 4. Option compatibility

\* ○ Compatible  
× Not Compatible

	Product Name	GP4000M	STM6000 (GP-Pro EX)	Description	Compatibility
Serial Interface	RS-232C Cable (5m)	CA3-CBL232/5M-01	CA3-CBL232/5M-01	Connects a host controller to the GP unit. (RS-232C)	○
	RS-422 Cable (5m)	CA3-CBL422/5M-01	CA3-CBL422/5M-01	Connects a host controller to the GP unit. (RS-422 / Socket Type)	○
	Mitsubishi Q-Series Link Cable (5m)	CA3-CBLLNKM-01	CA3-CBLLNKM-01	Connects Mitsubishi PLC Q-Series (or other host controller) to the GP unit. (RS-232C)	○
	Omron SYSMAC Link Cable (5m)	CA3-CBLSYS-01	CA3-CBLSYS-01	Connects Omron PLC SYSMAC Series unit (or other host controller) to the GP unit. (RS-232C)	○
	Mitsubishi A-Series Connection Cable (5m)	CA3-CBLA-01	CA3-CBLA-01	Connects Mitsubishi PLC A, QnA Series programming console I/F to GP unit. (Simultaneous use of programming console is not possible.)	○
	Mitsubishi Q-Series Connection Cable (5m)	CA3-CBLQ-01	CA3-CBLQ-01	Connects Mitsubishi PLC Q-Series programming console I/F to GP unit. (Simultaneous use of programming console is not possible.)	○
	Mitsubishi FX-Series Connection Cable	CA3-CBLFX/1M-01 (1m) CA3-CBLFX/5M-01 (5m)	CA3-CBLFX/1M-01 (1m) CA3-CBLFX/5M-01 (5m)	Connects Mitsubishi PLC FX-Series programming console I/F and GP unit. (Simultaneous use of programming console is not possible.)	○
	RS-422 Cable (5m)	CA3-CBL422-01	CA3-CBL422-01	Connects a host controller to the GP unit. (RS-422 / Plug Type)	○
	2 Port Adapter Cable (5m)	CA3-MDCB11	CA3-MDCB11	Connects Mitsubishi PLC to the GP unit using 2 port adapter II (RS-422).	○
	Mitsubishi A/QnA/FX Series 2 Port Adapter II	GP070-MD11	GP070-MD11	Allows simultaneous use of an GP unit Series unit and a Mitsubishi PLC A, QnA, FX Series peripheral device.	○
	Terminal Block Conversion Adapter	CA3-ADPTRM-01	CA3-ADPTRM-01	Connects output from a serial interface with an RS-422 terminal block.	○
	COM Port conversion Adapter	CA3-ADPCOM-01	CA3-ADPCOM-01	Connects optional RS-422 communication items to GP unit's COM1 port.	○
	Multi-Link Cable	CA3-CBLMLT-01 (5m)	CA3-CBLMLT-01 (5m)	Connects a host controller to the GP for multi-link (n:1) communication.	○
	9pin to 25pin RS-232C Conversion Cable	CA3-CBLCBT232-01(0.2m)	-	Connects a standard RS-232C cable (GP Connector, D-Sub 25-pin) to the GP.	×
	9pin to 25pin RS-422 Conversion Cable	CA3-CBLCBT422-01(0.2m)	-	Connects a standard RS-422 cable (GP Connector, D-Sub 25-pin) to the GP.	×
MPI Cable (3.5m)	ST03-A2B-MPI21-PFE	ST03-A2B-MPI21-PFE	Connects a host controller to the GP unit for MPI communication.	○	

# 4. Option compatibility

\* ○ Compatible  
× Not Compatible

	Product Name	GP4000M	STM6000 (GP-Pro EX)	Description	Compatibility
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!
	RS-232C Isolation Unit	-	CA3-ISO232-01	Connects a host controller to this product and provides isolation (RS-232C and RS-422 are switchable).	NEW!
USB Interface	USB Front Cable (1m)	CA5-USBEXT-01	CA5-USBEXT-01	Extension cable attaching USB interface to front panel.	○
	USB- Serial (RS-232C) Conversion Cable(0.5m)	CA6-USB232-01	CA6-USB232-01	Cable for converting a GP unit's USB interface into a serial interface (RS-232C). Can be used to transfer project data created with the Screen Editor&Logic Program Software via a serial interface.*1	○
	USB Transfer Cable (USB Type A/mini-B) (1.8m)	ZC9USCBMB1	-	Cable for transferring screen data from a PC (USB Type A) to the GP unit (USB mini-B).	NEW! Use "PFXZUSCBMB2" USB micro-B Cable for STM6000.series
	USB Transfer Cable (USB Type A/micro-B)	-	PFXZUSCBMB2	Cable for transferring screen data from a PC (USB Type A) to this product (USB micro-B)	
	USB Panel-mount Extension Cable (USB mini-B) (1m)	ZC9USEXMB1	-	Extension cable attaching to the USB (mini-B) interface on the front side of the operation panel.	NEW! Use "PFXZCIEXMB2" USB micro-B for STM6000 series.
	USB (micro-B) Front Cable	-	PFXZCIEXMB2	Extension cable that attaches USB interface to front panel.	
	USB/RS-422/485 Conversion Adapter	PFXZCBCBCVUSR41	PFXZCBCBCVUSR41	Adapter for connecting this product (USB Type A) to an external device (RS-422/RS-485).	○
	EZ Illumination Switch	PFXZCCEUSG1	PFXZCCEUSG1	A unit of 5 illuminated switches with multiple color LED easily connected with GP unit via USB.	○
	EZ Fingerprint Recognition Unit	PFXZCCEUSS1	PFXZCCEUSS1	Fingerprint recognition unit easily connected with GP unit via USB. (End of Sale: Dec. 27, 2019)	○
	EZ Numpad	PFXZCCEUKB1	PFXZCCEUKB1	Numpad connected to this product via USB.	○
	EZ Tower Light tube mounting with fixing plate	PFXZCETWHA1	PFXZCETWHA1	USB Connection Type Monolithic EZ Tower Light tube mounting with fixing plate 3 tiers,φ60, lighting and flashing with a buzzer.	× *2
EZ Tower Light with base mounting	PFXZCETWW1	PFXZCETWW1	USB Connection Type Monolithic EZ Tower with base mounting 3 tiers, φ60, lighting and flashing with a buzzer.	× *2	

\*1: Requires an RS-232C cable (Prepared by the user) for connection.

\*2: Planned to be supported. Please contact our Customer Service for the latest information.

# 4. Option compatibility

\* ○ Compatible  
× Not Compatible

Product Name		GP4000M	STM6000 (GP-Pro EX)	Description	Compatibility		
Other	Screen Protection Sheet	3.5 inch	CA6-DFS4-01	-	Disposable, dirt-resistant sheet for the GP unit's screen. (5sheets/set) (Hard type)	× Please use Protection sheet for STM6000 series.	
		5.7 inch	PFXZCBDS61	-			
	UV Protection Sheet	3.5 inch	PFXZCFUV41	-	Sheet to protect the display from dirt and ultraviolet light (1 piece)		
		5.7 inch	PFXZCFUV61	-			
	Screen Protection Sheet with UV Protected	4 inch wide	-	PFXZCIDS42	Disposable, dirt-resistant and ultraviolet protection sheet (1 sheet/set).		
		7 inch wide	-	PFXZCIDS72			
	Display Module	3.5 inch	PFXXM4200TP	-	Display Module.		× Please use Display module for STM6000 series.
		5.7 inch	PFXXM4300TP	-			
		4 inch wide	-	PFXSTM62TP			
		7 inch wide	-	PFXSTM64TP			
	Display module / Rear module separation cable	3m	PFXZXMADSM31 *3	PFXZCM6SM3	Cable for use when installing the rear module and display module apart from the other.		× Please use Separation cable for STM6000 series.
		5m	PFXZXMADSM51 *3	PFXZCM6SM5			
		10m	-	PFXZCM6SM10			
	Rear module installation adapter		PFXZXMADSA1	PFXZCM6DSA	DIN rail installation adapter for rear modules in non-display operation.		× Please use adapter for STM6000 series.
Rear module		-	PFXSTM6BE	Rear module for STM6000 Series. (GP-Pro EX supported model only)	NEW!		

\*3: Available for the product which meets the requirements below.

Names	PV	RL	SV
GP-4201TM (Modular Type)	03 or later	07 or later	4.0 or later
GP-4301TM (Modular Type)	03 or later	08 or later	4.0 or later
GP-4000M (Rear Modular Type)	All revisions		

# 4. Option compatibility

\* ○ Compatible  
× Not Compatible

	Product Name	GP4000M	STM6000 (GP-Pro EX)	Description	Compatibility
Maintenance	Display Installation Nut	PFXZGMNT1	PFXZGMNT1	Nut to install the display module (10 pcs/set).	○
	Socket Wrench	PFXZGMSW1	PFXZGMSW1	Socket wrench to tighten and loosen the display installation nut.	○
	Accessories Kit	PFXZGMAK1	PFXZCM6KIT *4	Anti-rotation Tee, USB cable clamp to prevent disconnection (Type A, Mini- B, for 1 port), 2mm-high spacer to adjust installation panel thickness (1pcs/each)	× Please use the option for STM6000 series.
	DC Power Supply Connector	PFXZGMCNDC1	CA5-DCCNM-01	Connector to connect DC power supply cables (5 pcs/set)	× Please use the option for STM6000 series.
	Installation Gasket	-	PFXZCIWG44	Gasket that provides dust and moisture resistance, for a 4-inch wide display module (1 piece).	NEW!
		-	PFXZCIWG74	Gasket that provides dust and moisture resistance, for a 7-inch wide display module (1 piece).	NEW!
	USB Clamp Type A(for 1 port)	-	PFXZCBCLUSA1	Clamp to prevent disconnection of USB cable (for 1 port, USB Type A, 5 pieces/set)	NEW!
	Spacer	-	PFXZCM6MP2	Plate for adjusting installation panel thickness for the 4-inch wide display module.	NEW!
-		PFXZCM6MP4	Plate for adjusting installation panel thickness for the 7-inch wide display module.	NEW!	

\*4: USB Clamp mini-B can be used for optional USB micro-B cables.

# 5. Software compatibility

\* ○ Compatible  
× Not Compatible

Software	GP4000M	STM6000 (GP-Pro EX)	Compatibility of Project data
GP-Pro EX	✓ Ver.2.7 or later *1 <a href="https://www.pro-face.com/otasuke/files/manual/gpproex/new/refer/gpproex.htm">https://www.pro-face.com/otasuke/files/manual/gpproex/new/refer/gpproex.htm</a>	✓ Ver 4.09.350 or later	○
BLUE	-	-	
Pro-Server EX	✓ Ver.1.32 or later *2 <a href="https://www.pro-face.com/otasuke/files/manual/soft/server_ex/v1_37/ref/SRContents.htm">https://www.pro-face.com/otasuke/files/manual/soft/server_ex/v1_37/ref/SRContents.htm</a>	✓ Ver 1.37.200 or later *3	○
Pro-face Remote HMI (iOS/Android)	✓ Ver.1.30 or later *2 <a href="https://www.pro-face.com/otasuke/qa/remotehmi/faq.html">https://www.pro-face.com/otasuke/qa/remotehmi/faq.html</a>	✓ Ver.1.30 or later	○
Pro-face Remote HMI Client for Win	✓ Ver.1.40 or later *2	✓ Ver.1.40 or later	
Pro-face Connect	-	✓ SiteManager Ver. 9.4.621282042 or later	UP!

\*1: To use some functions such as Alarm Analysis, Ver. 3.0 or later is required.

\*2: The supported GP-Pro EX version differs depending on the software used.

Software	Version	Supported GP-Pro EX Version
Pro-Server EX	1.32 or later	3.1 or later
Pro-face Remote HMI (iOS/Android)	1.3x	4.0 or later
	1.4x, 1.5x, 1.6x	4.03 or later
Pro-face Remote HMI Client for Win	1.4 or later	4.03 or later

\*3: -Manual is not updated so ST6000, STM6000 is not mentioned. (Planned to be updated. Please contact our Customer Service for the latest information.)  
-Only provided with full installer. (Update module and Online update will be released later. Please contact our Customer Service for the latest information.)

If you would like to check the software replacement procedure, please check the following.  
**Replacement Guidebook (Software)\_EN\_ver2. pdf**

## 6. Other Important notes

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- Do not expose the hardware to direct sunlight.  
To prevent deterioration due to ultraviolet rays, we recommend using an optional screen protection sheet with UV protected.
- Do not use the hardware outdoors.
- 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.

