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# PFXGR4301TADW

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## Pro-face Xycom GP4000

PFXGR4301TADW

Pro-face Xycom GP-4301TW GP4301TW

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# Device Connectivity

# 2

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## Introduction

This chapter presents the equipment you can connect to the GP unit.

## What Is in This Chapter?

This chapter contains the following topics:

Topic	Page
System Design	18
Accessories	27

## System Design

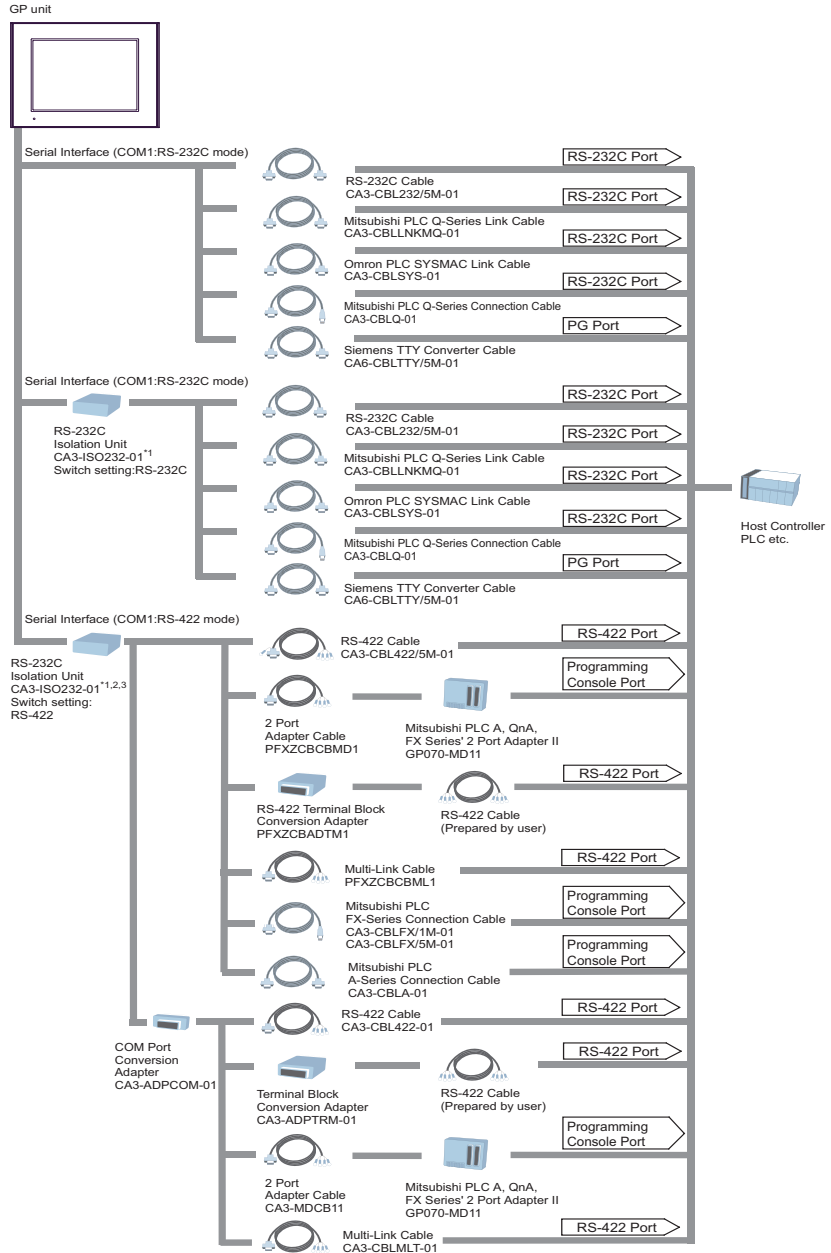
### Introduction

The following diagrams represent equipment you can connect to the GP unit.

	COM1	COM2
GP-4201T	RS-232C or RS-422/RS-485 (see page 19)	–
GP-4201TW	RS-232C (see page 19)	RS-422/RS-485 (see page 23)
GP-4203T	RS-485 (isolation) (see page 22)	–
GP-4301T	RS-232C (see page 19)	RS-422/RS-485 (see page 23)
GP-4301TW	RS-232C (see page 19)	RS-422/RS-485 (see page 23)
GP-4303T	RS-232C (see page 19)	RS-485 (isolation) (see page 24)
GP-4401T	RS-232C (see page 19)	RS-422/RS-485 (see page 23)
GP-4401WW	RS-232C (see page 19)	RS-422/RS-485 (see page 23)
GP-4501T	RS-232C (see page 19)	RS-422/RS-485 (see page 23)
GP-4501TW	RS-232C (see page 19)	RS-422/RS-485 (see page 23)
GP-4503T	RS-232C (see page 19)	RS-485 (isolation) (see page 24)
GP-4601T	RS-232C (see page 19)	RS-422/RS-485 (see page 23)
GP-4603T	RS-232C (see page 19)	RS-485 (isolation) (see page 24)

## RUN Mode Peripherals - COM1: RS-232C

**NOTE:** For instructions on how to connect to other devices, always refer to the “GP-Pro EX Device/PLC Connection Manual”.



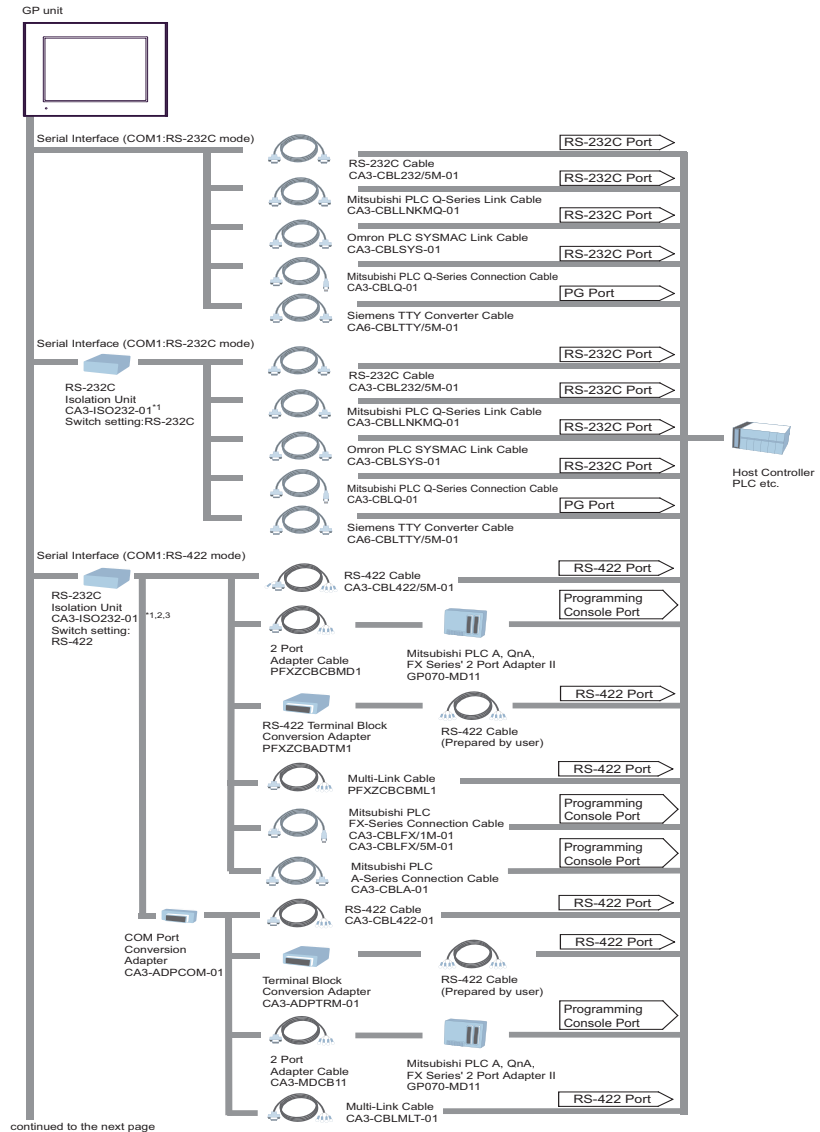
\*1 When connecting the CA3-ISO232-01, the COM port's pin 9 setting should be VCC. You can define COM port settings in GP-Pro EX or in the GP unit's offline menu.

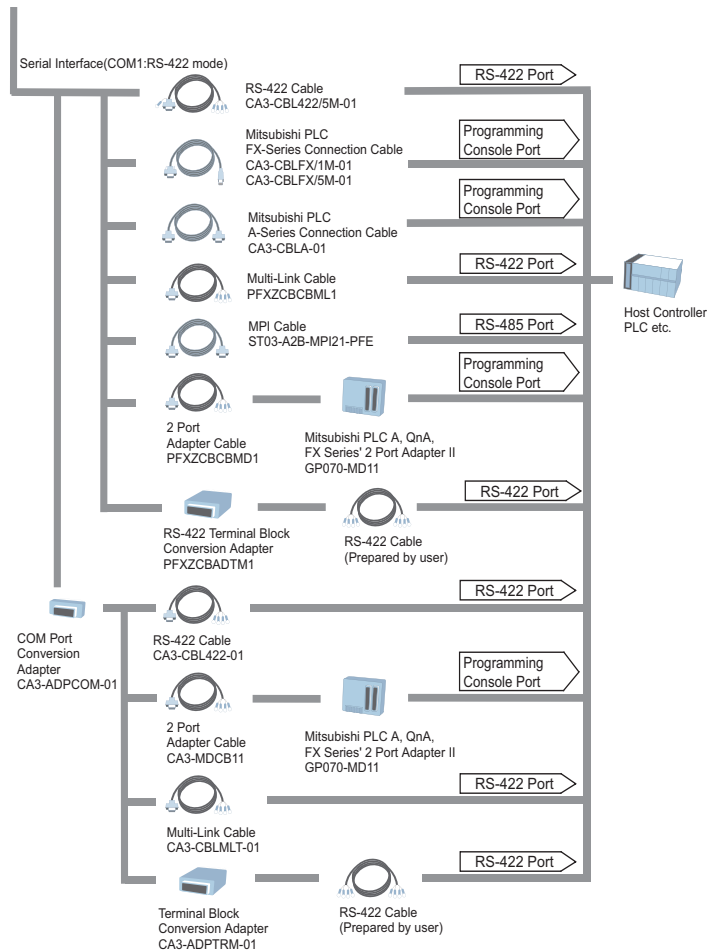
\*2 The RS-232C Isolation Unit corresponds to only RS-422/485 (4 wire) communication.

\*3 The RS-232C Isolation Unit does not correspond to Serial Multilink communication.

## RUN Mode Peripherals - COM1: RS-232C or RS-422/RS-485

**NOTE:** For instructions on how to connect to other devices, always refer to the “GP-Pro EX Device/PLC Connection Manual”.





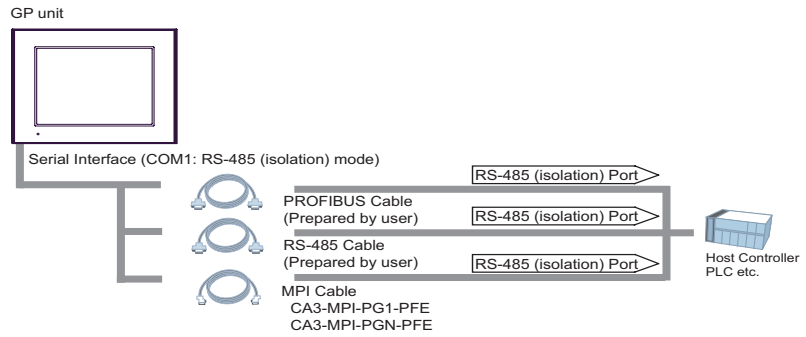
\*1 When connecting the CA3-ISO232-01, the COM port's pin 9 setting should be VCC. You can define COM port settings in GP-Pro EX or in the GP unit's offline menu.

\*2 The RS-232C Isolation Unit corresponds to only RS-422/485 (4 wire) communication.

\*3 The RS-232C Isolation Unit does not correspond to Serial Multilink communication.

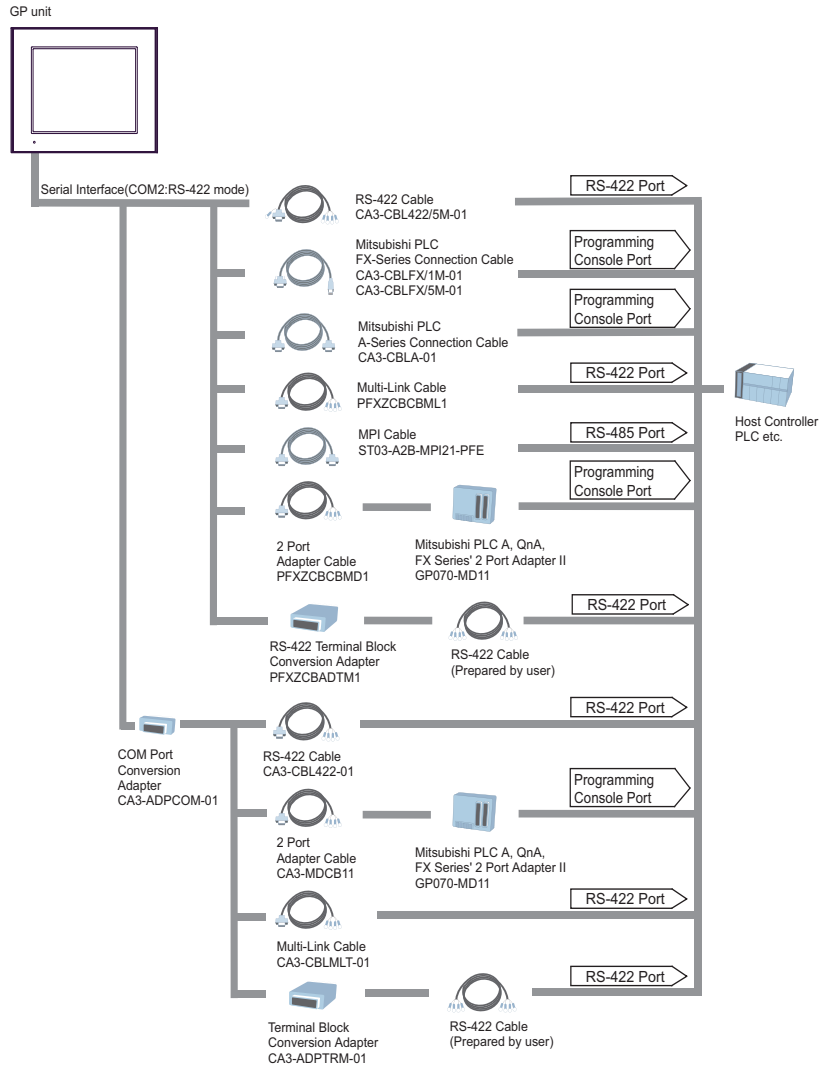
### RUN Mode Peripherals - COM1: RS-485 (isolation)

**NOTE:** For instructions on how to connect to other devices, always refer to the “GP-Pro EX Device/PLC Connection Manual”.



**RUN Mode Peripherals - COM2: RS-422/RS-485**

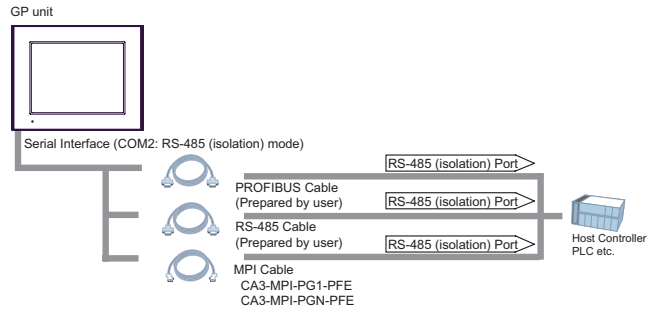
**NOTE:** For instructions on how to connect to other devices, always refer to the "GP-Pro EX Device/PLC Connection Manual".



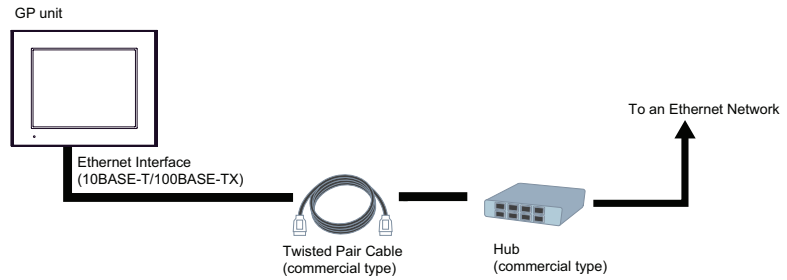


### RUN Mode Peripherals - COM2: RS-485 (isolation)

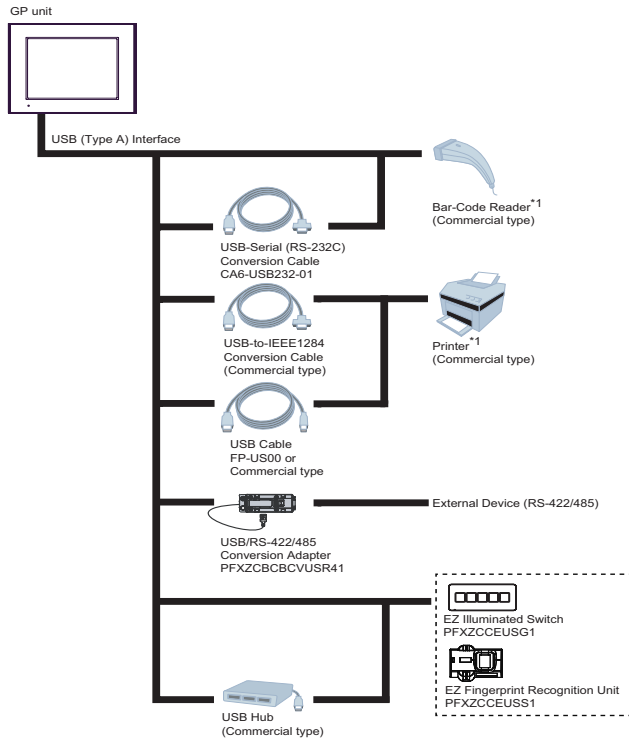
**NOTE:** For instructions on how to connect to other devices, always refer to the “GP-Pro EX Device/PLC Connection Manual”.



### RUN Mode Peripherals - Ethernet Communication

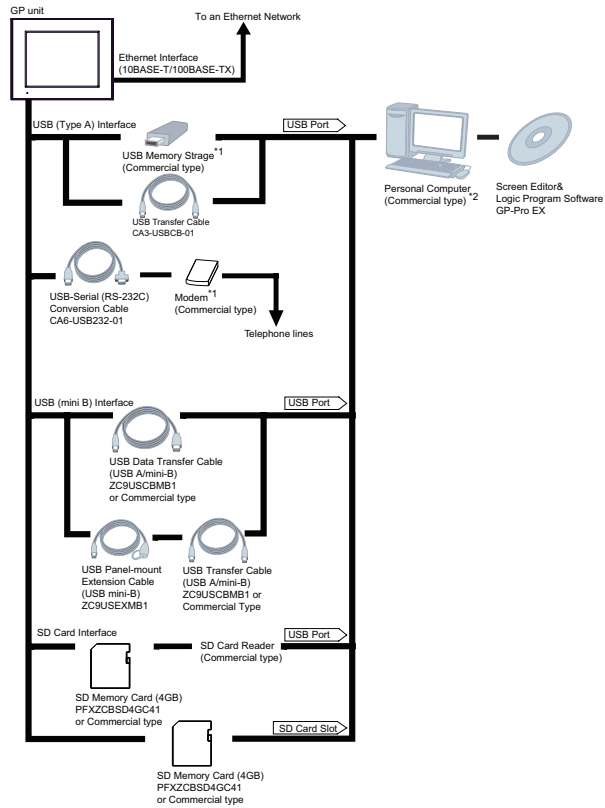


**RUN Mode Peripherals - USB Type A / mini-B Interface**



\*<sup>1</sup> For supported models, refer to Pro-face's support site "Otasuke Pro!" (<http://www.pro-face.com/otasuke/>). You can connect to this site in GP-Pro EX: from the [Help (H)] menu, click [Connect to Support Site "Otasuke Pro!" (C)].

## Edit Mode Peripherals



\*1 For supported models, refer to Pro-face's support site "Otasuke Pro!" (<http://www.pro-face.com/otasuke/>). You can connect to this site in GP-Pro EX: from the [Help (H)] menu, click [Connect to Support Site "Otasuke Pro!"] (C)

\*2 There are certain types and models of PCs that are not supported. Please refer to the "GP-Pro EX Reference Manual" for the software's operating environment requirements.

## Accessories

### Serial Interface Items

Product Name	Product Number	Description
RS-232C Cable (5m)	CA3-CBL232/5M-01	Connects a host controller to the GP unit. (RS-232C)
RS-422 Cable (5m)	CA3-CBL422/5M-01	Connects a host controller to the GP unit. (RS-422 / Socket Type)
Mitsubishi PLC Q-Series Link Cable (5m)	CA3-CBLLNMQ-01	Connects Mitsubishi PLC Q-Series (or other host controller) to the GP unit. (RS-232C)
Omron PLC SYSMAC Link Cable (5m)	CA3-CBLSYS-01	Connects Omron PLC SYSMAC Series unit (or other host controller) to the GP unit. (RS-232C)
Mitsubishi PLC A-Series Connection Cable (5m)	CA3-CBLA-01	Connects Mitsubishi PLC A or QnA Series programming console I/F to GP unit. (Simultaneous use of programming consoles is not possible.)
Mitsubishi PLC Q-Series Connection Cable (5m)	CA3-CBLQ-01	Connects Mitsubishi PLC Q-Series programming console I/F to GP unit. (Simultaneous use of programming consoles is not possible.)
Mitsubishi PLC FX-Series Connection Cable	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 consoles is not possible.)
RS-422 Cable (5m)	CA3-CBL422-01	Connects a host controller to the GP unit. (RS-422 / Plug Type)
2 Port Adapter Cable (5m)	CA3-MDCB11	Connects Mitsubishi PLC to the GP unit using 2 port adapter II (RS-422). Please see "GP-Pro EX Device/PLC Connection Manual" for how to connect the cable.
	PFXZCBCBMD1	Connects Mitsubishi PLC directly to the GP unit (D-sub 9 pin plug) using 2 port adapter II (RS-422).
Mitsubishi PLC A, QnA, FX Series 2 Port Adapter II	GP070-MD11	Enables simultaneous use of a GP unit and a Mitsubishi PLC A, QnA, or FX Series peripheral device.
Terminal Block Conversion Adapter	CA3-ADPTRM-01	Connects output from a GP unit's Serial Interface (D-sub 9 pin plug) directly with an RS-422 terminal block.
RS-422 Terminal Block Conversion Adapter	PFXZCBADTM1	Connects output from a GP unit's Serial Interface (D-sub 9 pin plug) directly with an RS-422 terminal block.
COM Port Conversion Adapter	CA3-ADPCOM-01	Connects optional RS-422 communication items to GP unit's Serial Interface.
Multi-Link Cable (5m)	CA3-CBLMLT-01	Connects a host controller to the GP unit for multi-link (n:1) communication. Please see "GP-Pro EX Device/PLC Connection Manual" for how to connect the cable.
	PFXZCBCBML1	Connects a host controller directly to the GP unit (D-sub 9 pin plug) for multi-link (n:1) communication.