

Device/PLC Connection Manuals



About the Device/PLC Connection Manuals

Prior to reading these manuals and setting up your device, be sure to read the "Important: Prior to reading the Device/PLC Connection manual" information. Also, be sure to download the "Preface for Trademark Rights, List of Units Supported, How to Read Manuals and Documentation Conventions" PDF file. Furthermore, be sure to keep all manual-related data in a safe, easy-to-find location.

Hitachi Industrial Equipment System

Connectable Devices

The following tables list the devices that can be connected and used with the GP.

■ PLCs

◆ 1:1 Connection

Series Name	CPU	Link Unit	Comments	Device type in Screen Editor	GP Series GLC 2000 Series	GLC 100 Series GLC 300 Series		
HIDIC H	H20, H28 H40, H64	CPU Direct Connection	Previously known as HIZAC H Series. Refer to Procedure 1 for data communication control.	Hitachi Industrial Equipment System HIDIC H series	○	×		
	H-200, H-300 H-302, H-700 H-702, H-2000, H-2002, H-252C, H-4010							
	EH-150 (EH-CPU 104, EH-CPU208, EH-CPU316, EH-CPU448, EH-CPU 104A, EH-CPU208A, EH-CPU308A, EH-CPU316A, EH-CPU448A, EH-CPU516, EH-CPU548)							
	MICRO-EH	Serial Port 1 or 2 on CPU unit						
	H-300, H-700 H-2000, H-2002	COMM-H COMM-2H						
	H-302, H-702 H-4010	COMM-2H						
	EH-150 ^{*1} (EH-CPU516, EH-CPU548)	EH-SIO ^{*2}					Refer to Procedure 1 for data communication control.	
	EH-150 (EH-CPU448, EH-CPU 104A, EH-CPU208A, EH-CPU308A, EH-CPU316A, EH-CPU448A, EH-CPU516, EH-CPU548)	Serial Port 1 on CPU unit					Refer to Procedure 2 for data communication control.	Hitachi Industrial Equipment System HIDIC H2 series
	MICRO-EH	Serial Port 1 or 2 on CPU unit						
	H-302, H-702, H-2002, H-4010	COMM-2H						
Web Controller	EH-WD10DR	Serial Port on CPU unit	Refer to Procedure 1 for data communication control.	Hitachi Industrial Equipment System HIDIC H series				

- *1 The ROM versions of the connectable EH-CPU are as follows;
EH-CPU516: Ver.E2.07 and more
EH-CPU548: Ver.E4.06 and more
- *2 The versions of the connectable EH-SIO are as follows;
Function Software Version 2.0 and more

◆ **n:1 (Multi Link) Connection**

Series Name	CPU	Link Unit	Comments	Device type in Screen Editor	GP Series GLC 2000 Series	GLC 100 Series GLC 300 Series	
HIDIC H	H-2000	COMM-H	Standard HIZAC H series.	Hitachi Industrial Equipment System HIDIC H series	○	×	
	H-2002	COMM-2H					
	H-302	COMM-2H	Transmission control procedure 1				
	H-702						
	H-4010						
	EH-150 (EH-CPU448, EH-CPU308A, EH-CPU316A, EH-CPU448A, EH-CPU516, EH-CPU548)	Serial Port 1 on CPU unit	Transmission control procedure 1				
	MICRO-EH	Serial Port 2 on CPU unit					
	EH-150 *1 (EH-CPU516, EH-CPU548)	EH-SIO *2					
	H-302	COMM-2H	Transmission control procedure 2				Hitachi Industrial Equipment System HIDIC H2 series
	H-702						
H-2002							
H-4010							
EH-150 (EH-CPU448, EH-CPU308A, EH-CPU316A, EH-CPU448A, EH-CPU516, EH-CPU548)	Serial Port 1 on CPU unit						
MICRO-EH	Serial Port 2 on CPU unit						

- *1 The ROM versions of the connectable EH-CPU are as follows;
EH-CPU516: Ver.E2.07 and more
EH-CPU548: Ver.E4.06 and more
- *2 The versions of the connectable EH-SIO are as follows;
Function Software Version 2.0 and more

◆ Ethernet Communication

Series Name	CPU	Link I/F	Device type in Screen Editor
HIDIC H	H4010(CPU3-40H) H2002(CPU2-20H) H1002(CPU2-07H) H702(CPU2-20H) H302(CPU2-40H)	LAN-ETH LAN-ETH2	Hitachi Industrial Equipment System HIDIC H (ETHER)
Web Controller Series	EH-WD10DR	Ethernet port on CPU	

Refer to the following table for compatible GP/GLC units and Ethernet connection information.

Series Name		Product Name	Optional Ethernet I/F Unit	Built-in Ethernet Port
GP77R Series	GP-377R Series	GP-377RT	○ ^{*1} *2	x
	GP-477R Series	GP-477RE	○ ^{*2}	x
	GP-577R Series	GP-577RS	○ ^{*2}	x
		GP-577RT	○ ^{*2}	x
GP2000 Series	GP-2300 Series	GP-2300L	x	○
		GP-2300S	x	○
		GP-2300T	x	○
	GP-2400 Series	GP-2400T	x	○
	GP-2500 Series	GP-2500L	○ ^{*3} *4	○
		GP-2500S	○ ^{*3} *4	○
		GP-2500T	○ ^{*3} *4	○
	GP-2501 Series	GP-2501L	○ ^{*2} *3	x
		GP-2501S	○ ^{*2} *3	x
		GP-2501T	○ ^{*2} *3	x
GP-2600 Series	GP-2600T	○ ^{*3} *4	○	
GP-2601 Series	GP-2601T	○ ^{*2} *3	x	
GLC2000 Series	GLC-2300 Series	GLC-2300L	x	○
		GLC-2300T	x	○
	GLC-2400 Series	GLC-2400T	x	○
	GLC-2500 Series	GLC-2500T	○ ^{*3} *4	○
GLC-2600 Series	GLC-2600T	○ ^{*3} *4	○	
ST Series		ST403	x	○

*1 Only the Multi Unit can be used.

*2 The 2-Way Driver (Pro-Server, GP-Web and others) cannot be used.

*3 When using optional Ethernet I/F unit, a bus conversion unit (PSL-CONV00) is required.

*4 Using the optional Ethernet I/F Unit allows you to set up separate Class and Net No.s for 2-Way Driver applications (Pro-Server, GP-Web and others) and the PLC. When doing this, data transfer with the PLC is performed through the optional Ethernet I/F Unit.

■ Inverters

< SJ300/L300P Series >

Manufacturer	Series Name	CPU	Comments	Device Type in Screen Editor
Hitachi Industrial Equipment System	SJ300	SJ300-□□□■□F■		HITACHI IES SJ300/L300P Series
	L300P	L300P-□□□■□F□		

* Depending on the type of option selected, the data indicated by ■ may not be included in the CPU number.

