Pro-face

Digital
Human Machine Interface

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 Ltd. — 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-S10α	2α, 2αE 2αH	Link I/F on CPU unit		HITACHI HIDIC-S10α series	○	x
	4α, 4αF	LWE805				
HIZAC EC	EC-40HR	CPU Direct Connection		HITACHI HIZAC-EC series		
S10mini	LQP000 LQP010 LQP011	LQE060 LQE160 LQE165		HITACHI HIDIC-S10α series		
S10V	LQP510	UP LINK connector on LP module				
		LQE560				
		LQE565				

◆ DeviceNet Communication

Series Name	CPU	Link Unit or CPU Direct Connection	Device type in Screen Editor
S10mini	LQP000 LQP010 LQP011	LQE070	DeviceNet Slave I/O
S10V	LQP510	LQE575	

The following table lists the GPs units that can be connected and used with DeviceNet.

Series Name		Product Name	Unit
GP70 Series	GP-470 Series	GP-470E	DeviceNet Unit (GP070-DN41) [*1]
	GP-570 Series	GP-570S	
		GP-570T	
		GP-57JS	
		GP-570VM	
	GP-571 Series	GP-571T	
	GP-675 Series	GP-675S	
		GP-675T	
	GP-870 Series	GP-870VM	
GP77R Series	GP-477R Series	GP-477RE	
	GP-577R Series	GP-577RS	
		GP-577RT	
GP2000 Series	GP-2500 Series	GP-2500L	
		GP-2500S	
		GP-2500T	
	GP-2501 Series	GP-2501S	
		GP-2501T	
	GP-2600 Series	GP-2600T	
	GP-2601 Series	GP-2601T	
GLC2000 Series	GLC2500 Series	GLC2500T	
	GLC2600 Series	GLC2600T	

*1 When using GP2000/GLC2000 series units, a bus conversion unit (PSL-CONV00) is required.

◆ **Ethernet Communication**

Series Name	CPU	Link Unit or CPU Direct Connection	Comments	Device Type in Screen Editor
S10V	LQP510	LQE520		Hitachi S10V Series (ETHER)
	LQP520	LQE520	When LQP520 is used, LQP510 is also required.	
		Link unit 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 the 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.