# Pro-face

# 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.

# Siemens Connectable Devices

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

## ■ PLCs

### ◆ 1:1 Connection, 1:n Connection

| Series Name | CPU | Link Unit | Comments | Device type in Screen Editor | GP Series GLC 2000 Series | GLC 100 Series GLC 300 Series |
|---|---|---|---|---|---|---|
| SIMATIC S5 | 90 95U 100U | CP 521 SI | | SIEMENS S5 3964(R) Protocol | | |
| | | CPU Direct Connection | | SIEMENS S5 90-115 series | | |
| | 115U | CP524, CP525 | | SIEMENS S5 3964(R) Protocol | | |
| | | CPU Direct Connecton | | SIEMEMS S5 90-115 series | | |
| | 135U 155U | CP524, CP525 | | SIEMENS S5 3964(R) Protocol | | |
| | | CPU Direct Connection | | SIEMENS S5 135-155 series | | |
| SIMATIC S7-200 | CPU212, CPU214 | CPU Direct Connection | | SIEMENS S7-200PPI | | |
| | CPU214, CPU215, CPU216, CPU221, CPU222, CPU224, CPU226 | CPU Cirect (via MPI Port) | | SIEMENS S7-200 via MPI | ○ | x |
| SIMATIC S7-300 | CPU312IFM, CPU313, CPU314, CPU314IFM, CPU315, CPU315-2DP, CPU316, CPU316-2DP, CPU318-2 | CPU Direct (via MPI Port) | | SIMATIC S7-300 / 400 via MPI | | |
| | CPU313, CPU314, CPU315 | CP340 | 3964R via RK512 | SIMATIC S7 via 3964 / RK512 | | |
| | | CP341 | | | | |
| SIMATIC S7-400 | CPU412-1, CPU412-2DP, CPU413-1, CPU413-2DP, CPU414-1, CPU414-2DP | CPU Direct (via MPI Port) | | SIMATIC S7-300/400 via MPI | | |
| | CPU413-2DP | CP441-2 | | SIMATIC S7 via 3964/RK512 | | |

| Series Name | CPU | Link Unit | Comments | Device type in Screen Editor | GP Series GLC 2000 Series | GLC 100 Series GLC 300 Series |
|---|---|---|---|---|---|---|
| SIMATIC 505 | 545-1101, 545-1102, 545-1103, 545-1104, 545-1105, 545-1106, 555-1101, 555-1102, 555-1103, 555-1104, 555-1105, 555-1106 | Link I/F on CPU unit | | SIMATIC 545/555 CPU | O | X |

◆ **Profibus Communication**

| Series Name | CPU | Notes | Device type in Screen Editor |
|---|---|---|---|
| S7 300 | S7 315-2-DP | Profibus unit is required. | PROFIBUS |
| S7 400 | S7 413-2-DP | | |

The following table lists the GPs that can be connected and used with the Profibus-DP.

| Series Name | | Product Name | Unit |
|---|---|---|---|
| GP70 Series | GP-470 Series | GP-470E | Profibus-DP Module (GP070-PF11) [*1] |
| | GP-570 Series | GP-570L | |
| | | GP-570S | |
| | | GP-570T | |
| | GP-675 Series | GP-675S | |
| | | GP-675T | |
| 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 | |

*1 For GP2000 Series units, a bus conversion unit (PSL-CONV00) is required.

◆ **Interbus Communication**

\<Direct I/O Mode\>

| Series Name | CPU | Link Unit | Device type in Screen Editor |
|---|---|---|---|
| S7-400 | CPU413-2DP | Phoenix Contact IBSS7-400 DSC/I-T | INTERBUS SLAVE |
| Various PCs | —— | Phoenix Contact IBS PC ISA SC/I-T | |

\<Packet Transfer Mode\>

| Series Name | CPU | Link Unit | Device type in Screen Editor |
|---|---|---|---|
| S7-400 | CPU413-2DP | Phoenix Contact IBSS7-400 DSC/I-T | INTERBUS SLAVE |

The following tables list the GPs that can be connected and used with Interbus.

| Series Name | | Product Name | Unit |
|---|---|---|---|
| GP70 Series | GP-470 Series | GP-470E | Interbus Slave Module (GP070-IB41) [1] |
| | GP-570 Series | GP-570S | |
| | | GP-570T | |
| | | GP-57JS | |
| | | GP-570VM | |
| | GP-571 Series | GP-571T | |
| | GP-675 Series | GP-675S | |
| | | GP-675T | |
| 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-2501L | |
| | | GP-2501S | |
| | | GP-2501T | |
| | GP-2600 Series | GP-2600T | |
| | GP-2601 Series | GP-2601T | |

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