

### Expand the Capacity of Your Micro PLC

A wide variety of expansion units that can be used with CP1E, CP1L, and CP1H series PLC.



### Ordering Information

| Description                    | Output type                | Input points | Output points | Size in mm (HxWxD) | Model       |
|--------------------------------|----------------------------|--------------|---------------|--------------------|-------------|
| Expansion I/O units            | --                         | 8            | --            | 90x66x50           | CP1W-8ED    |
|                                | Relay                      | --           | 8             | 90x66x50           | CP1W-8ER    |
|                                | Transistor (sinking)       | --           | 8             | 90x66x50           | CP1W-8ET    |
|                                | Transistor (sourcing)      | --           | 8             | 90x66x50           | CP1W-8ET1   |
|                                | Relay                      | --           | 16            | 90x86x50           | CP1W-16ER   |
|                                | Relay                      | 12           | 8             | 90x96x50           | CP1W-20EDR1 |
|                                | Transistor (sinking)       | 12           | 8             | 90x96x50           | CP1W-20EDT  |
|                                | Transistor (sourcing)      | 12           | 8             | 90x96x50           | CP1W-20EDT1 |
|                                | Relay                      | 24           | 16            | 90x150x50          | CP1W-40EDR  |
|                                | Transistor (sinking)       | 24           | 16            | 90x150x50          | CP1W-40EDT  |
|                                | Transistor (sourcing)      | 24           | 16            | 90x150x50          | CP1W-40EDT1 |
| Analog I/O units               | Analog (resolution 1/256)  | 2            | 1             | 90x66x50           | CPM1A-MAD01 |
|                                | Analog (resolution 1/6000) | 2            | 1             | 90x86x50           | CP1W-MAD11  |
|                                | Analog (resolution 1/6000) | 4            | --            | 90x86x50           | CP1W-AD041  |
|                                | Analog (resolution 1/6000) | --           | 4             | 90x86x50           | CP1W-DA041  |
| Temperature sensor input units | Thermocouple input         | 2            | --            | 90x86x50           | CP1W-TS001  |
|                                | Thermocouple input         | 4            | --            | 90x86x50           | CP1W-TS002  |
|                                | Platinum resistance input  | 2            | --            | 90x86x50           | CP1W-TS101  |
|                                | Platinum resistance input  | 4            | --            | 90x86x50           | CP1W-TS102  |

### Options for CPU Units

| Name                                   | Specifications  | Model         |
|--|---|---------------|
| RS-232C Option Board                   | Can be mounted in either CPU Unit Option Board slot 1 or 2.<br>Note: Cannot be used for the CP1L-L10.                                       | CP1W-CIF01    |
| RS-422A/485 Option Board               | Can be mounted in either CPU Unit Option Board slot 1 or 2.<br>Note: Cannot be used for the CP1L-L10.<br>Maximum transmission distance: 50m | CP1W-CIF11    |
| RS-422A/485 Isolated-type Option Board | One RS-422A/485 port (Isolated)<br>Note: Cannot be used for the CP1L-L10.<br>Maximum transmission distance: 500m                            | CP1W-CIF12    |
| LCD Option Board                       | Can be mounted only in the CPU Unit Option Board slot 1.<br>Note: Cannot be used for the CP1L-L10.  | CP1W-DAM01    |
| Memory Cassette                        | Can be used for backing up programs or auto-booting   | CP1W-ME05M    |
| Economical Ethernet Option Board       | Two can be mounted in either of CPU Unit Option Board slot 1 and 2.<br>Note: Cannot be used for the CP1L-L10.                               | CP1W-ETN61    |
| Advanced Ethernet Option Board         | One can be mounted in either CPU Unit Option Board slot 1 or 2.<br>Note: Cannot be used for the CP1E or the CP1L-L10.                       | CP1W-CIF41    |
| Ethernet/IP Slave Option Board         | One can be mounted in either CPU Unit Option Board slot 1 or 2.<br>Note: Cannot be used for the CP1E or the CP1L-L10.                       | CP1W-EIP61    |
| Modbus/TCP Slave Option Board          | One can be mounted in either CPU Unit Option Board slot 1 or 2.<br>Note: Cannot be used for the CP1E or the CP1L-L10.                       | CP1W-MODTCP61 |
| 2 Point Thermocouple Option Board      | J/K thermocouple, can be mounted in either CPU Unit Option Board slot 1 or 2.<br>Note: Cannot be used for the CP1E.                         | CP1W-GCTS2    |
| 2 Analog Input Option Board            | 0-10 V, 0-20 mA<br>Note: Only for the CP1L-E  | CP1W-ADB21    |
| 2 Analog Output Option Board           | 0-10 V<br>Note: Only for the CP1L-E   | CP1W-DAB21V   |
| 2 In/2 Out Analog Option Board         | Input: 0-10 V, 0-20 mA, Output: 0-10 V<br>Note: Only for the CP1L-E   | CP1W-MAB221   |