

Advanced High Performance PLC



Applications

High-speed 3-axis servo welding machine, high-speed cutting machine, bar feeder, distributed monitor system in production line.

Specifications

Excellent Motion Control

- High-speed pulse output: 4 sets of 200kHz pulse output
- Supports max. 4 hardware 200kHz high-speed counters
- Increases many motion control instructions to meet the applications that require high-speed and high-precision positioning control such as labeling machines, packaging machines and printing machines
- Offers linear / arc interpolation motion control
- Provides up to 16 external interrupt pointers

Complete Program Protection

- Auto backup function to prevent losing programs and data even when the battery runs out
- Second copy function provides a backup for extra insurance in the event that one set of programs and data are damaged
- Up to 4-level password protection protects your source programs and intellectual property

Outstanding Operation Performance

- CPU + ASIC dual processors support floating point operations.
- The max. execution speed of basic instructions is able to reach 0.24 μ s.

Flexible Function Extension Modules & Cards

- The multiple selections of extension modules and function cards provide analog I/O, temperature measurement, additional single-axis motion control, high-speed counting, 3rd serial communication port and Ethernet communication card are available.

PLC-Link

- C-Link allows the user to link up a max. 32 units to the network without having to install extra communication extension modules.

Brand-New High-Speed Extension Modules

- The brand-new extension modules greatly shorten the data transmission time among the PLC and its extension modules as well as enhance the efficiency of the PLC program.

Built-in 4 Hardware High-Speed Counters

| Standard | | Hardware high-speed counter | | | | | |
|-----------------|-----------|-----------------------------|-----------|------------------|--------------|------------------|--------------|
| 1-phase 1 input | | 1-phase 1 input | | 1-phase 2 inputs | | 2-phase 2 inputs | |
| Sets | Bandwidth | Sets | Bandwidth | Sets | Bandwidth | Sets | Bandwidth |
| 8 | 10kHz | 4 | 200kHz | 2/2 | 200kHz/20kHz | 2/2 | 200kHz/20kHz |