

# SoftPLC Processor™

## Models IC6-IHL3-x

### General Description

A SoftPLC Processor™ is an open architecture controller, consisting of:

- ◆ SoftPLC Control Software, I/O and communications drivers, and (optional) embedded web server
- ◆ Industrial enclosure of heavy duty steel construction with mounting brackets, passive backplane and industrial power supply
- ◆ Single-Board CPU card with on-board SDRAM memory, flash memory, parallel port and (2) serial ports
- ◆ Ethernet port
- ◆ Your selected options such as I/O interfaces or communication cards

SoftPLC Processors are “cable-ready” controller CPU’s and include component hardware assembly, SoftPLC runtime software and driver installation, system configuration, and system level testing.

SoftPLC Processor models are sized by discrete I/O capacity (see table.) Analog or special purpose module I/O channels allowed are limited only by the hardware configuration chosen



### About the IC6-IHL3-X

The IC6-IHL3-x systems are compact 6-slot industrial controllers designed for systems with several I/O interfaces or communication ports required, where limited space is available, and high speed processing or e-Automation is required. These systems support 10/100 MB Ethernet networks (version 3 supports 10 MB only.)

IC6-IHL3-x are powerful, yet low-cost, Celeron-based CPU’s. Base systems are equipped with 64 MB SDRAM and 128 MB flash disk. Four (4) slots are available for your add-on options with version 3 SoftPLC and five (5) slots are available on version 4.

### Available Models & I/O Capacities

Catalog Number	Discrete Inputs	Discrete outputs
IC6-IHL3-1K	up to 1024	up to 1024
IC6-IHL3-2K	up to 2048	up to 2048
IC6-IHL3-8K	up to 8192	up to 8192



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02

# Hardware Features

## Single Board CPU

- ◆ Low Power Celeron w/ VGA and PS/2 keyboard ports
- ◆ 64 MB SDRAM, expandable to 512 MB
- ◆ 128 MB Compact Flash card, expandable to over 256 MB
- ◆ EIDE drive interface/controller
- ◆ (1) RS-232/422/485 port, (1) RS-232 port, & (1) parallel port
- ◆ 10/100 MB Ethernet port (version 4 SoftPLC)
- ◆ 10 MB Ethernet port (version 3 SoftPLC)

## Enclosure

- ◆ Heavy duty steel construction
- ◆ The chassis may be mounted bi-directionally with the included brackets, allowing for flexibility of cabinet installation
- ◆ Compact, rugged, easy-to-access chassis design (just 2 screws attach the cover to the chassis)
- ◆ 6-Slot PCI bus (PC/AT compatible) passive backplane that supports half-size PC cards
- ◆ Positive air pressure in chassis repels dust
- ◆ Space for 3.5" hard drive (not included)
- ◆ Space for 3.5" floppy drive (not included)

## Power Supply

- ◆ Output Rating: 150 Watts maximum
- ◆ Output Voltages:
  - +5 VDC @ 14 A,
  - +12 VDC @ 6 A,
  - 5 VDC @ .5A,
  - 12 VDC @ 0.8 A
- ◆ Input Voltages: 100 to 240 VAC
- ◆ Input Frequency: 47 to 63 Hz
- ◆ Standards: UL / TUV / CE

Specifications	
Operating Temp	0 to 40 °C
Storage Temp	-20 to 85 °C
MTBF	50,000 hours
Altitude	0 to 10,000 feet
Humidity	10 to 85% at 40 °C non-condensing
Vibration (operating)	5~17 Hz, 0.1" peak to peak 17~500 Hz, 1.5 G peak to peak
Backplane PC Board	4 layer PCB w/ground and power planes for reduced noise and lower power supply impedance
System Cooling	49-CFM fan w/removable air filter
Power Cooling	(2) 6.9-CFM, 4 cm ball-bearing fans
Dimensions (W x H x D)	7.75 x 6.75 x 11.375 inches 196 x 170 x 287 mm
Net Weight	9.9 lbs 4.5 kg



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