



# SoftPLC Processor™

## Models IC6-MFC3-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, (1) parallel port, & (2) serial ports
- ◆ Ethernet card
- ◆ 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-MFC3

The IC6-MFC3-x systems are 6-slot industrial controllers designed for systems with several I/O interfaces or communication ports required, or where a PCI slot is needed. The systems install in a fairly limited space. These systems support both the 10 MB and 100 MB Ethernet networks.

IC6-MFC3-x are powerful, yet low-cost, Celeron-based CPU’s. Base systems are equipped with 64 MB SDRAM and 128 MB flash disk. The system comes with a 10/100 MB PCI Ethernet card, and has one (1) PCI and three (3) ISA slots free.

Available Models & I/O Capacities		
Catalog Number	Discrete Inputs	Discrete outputs
<b>IC6-MFC3-1K</b>	up to 1024	up to 1024
<b>IC6-MFC3-2K</b>	up to 2048	up to 2048
<b>IC6-MFC3-8K</b>	up to 8192	up to 8192

# Hardware Features

## Single Board CPU

- ◆ Celeron 850 MHz CPU w/ VGA and PS/2 keyboard ports
- ◆ 64 MB SDRAM, expandable to 512 MB
- ◆ 128 MB Flash "Disk on Chip"<sup>®</sup> expandable to over 256 MB
- ◆ (2) RS-232 ports, (1) parallel port
- ◆ 10/100Base-T on-board

## Enclosure

- ◆ Heavy duty steel construction
- ◆ Mounting brackets included
- ◆ Compact, rugged, easy-to-access chassis design with hold-down clamp to protect plug-in cards against vibration
- ◆ Passive backplane
- ◆ LEDs for power on/off
- ◆ 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: 200 Watts maximum
- ◆ Output Voltages:
  - +5 VDC @ 16 A
  - +12 VDC @ 9 A
  - 5 VDC @ 0.2 A
  - 12 VDC @ 0.7 A
- ◆ Input Voltages: 90 to 132 VAC or 180 to 264 VAC
- ◆ Input Frequency: 47 to 63 Hz
- ◆ Standards: UL/TUV/CE

Specifications	
<b>Operating Temp</b>	0 to 50 °C
<b>Storage Temp</b>	-20 to 85 °C
<b>MTBF</b>	50,000 hours
<b>Altitude</b>	0 to 10,000 feet
<b>Humidity</b>	10 to 95% non-condensing
<b>Vibration (operating)</b>	5~17 Hz, 0.1" peak to peak 17~500 Hz, 1.5 G peak to peak
<b>Backplane PC Board</b>	4 layer PCB w/ground and power planes for reduced noise and lower power supply impedance
<b>System Cooling</b>	49-CFM fan w/removable air filter
<b>Power Cooling</b>	(2) 6.8-CFM, 4 cm ball-bearing fans
<b>Dimensions (W x H x D)</b>	6.5 x 6.7 x 15.5 inches 338 x 170 x 393 mm
<b>Net Weight</b>	12.3 lbs 5.6 kg



[www.softplc.com](http://www.softplc.com)

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