

SoftPLC Processor™

Models IC6-MFL3-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-MFL3

The IC6-MFL3-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 10 MB and 100 MB Ethernet networks.

IC6-MFL3-x are powerful, yet low-cost, Pentium-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
IC6-MFL3-1K	up to 1024	up to 1024
IC6-MFL3-2K	up to 2048	up to 2048
IC6-MFL3-8K	up to 8192	up to 8192

Hardware Features

Single Board CPU

- ◆ Lo-Power Celeron 400 MHz CPU w/ VGA and PS/2 keyboard ports
- ◆ 64 MB SDRAM, expandable
- ◆ 128 MB Flash expandable to over 256 MB
- ◆ (2) RS-232 ports, & (1) parallel port
- ◆ 10/100 MB Ethernet card
- ◆ Compact Flash Socket

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 @ .2 A
 - 12 VDC @ .7 A
- ◆ Input Voltages: 90 to 132 VAC or 180 to 264 VAC
- ◆ Input Frequency: 47 to 63 Hz
- ◆ Standards: UL/TUV/CE

Specifications	
Operating Temp	0 to 50 °C
Storage Temp	-20 to 85 °C
MTBF	50,000 hours
Altitude	0 to 10,000 feet
Humidity	10 to 95% 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) 6.8-CFM, 4 cm ball-bearing fans
Dimensions (W x H x D)	6.5 x 6.7 x 15.5 inches 166 x 170 x 393 mm
Net Weight	12.3 lbs 5.6 kg



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