GE Series 90-30 Series Service Manual

IC693CPU366

1. Description

The IC693CPU366 CPU module for the GE Fanuc PLC systems comes with integrated Profibus master support. A serial port is also available on the IC693CPU366 module.

2. Specifications

Specification	Value
Brand	**GE Fanuc**
Series	**Series 90-30**
Part	**Number IC693CPU366**
Product	**type CPU module**
Microprocessor	**80386EX**
Profibus	**master Yes**
Serial	**port 1**
Voltage	**input 5 Volts DC**
Current	**draw 940 milliamps**
Operating	**temperature 0 to 60 degrees Celsius**
Storage	**temperature -40 to 85 degrees Celsius**
The	**GE Fanuc IC693CPU366 module is a CPU module with a Profibus master device for the GE Series 90-30 PLC systems. The embedded Profibus master device enables the CPU to send and receive data from the Profibus networks. Connection to the Profibus networks is made through a 9-pin female RS-485 port. The data rates supported for the Profibus networks include 9.6 kbps, 19.2 kbps, 500 kbps, 1.5 Mbps, 3 Mbps, 6 Mbps, and 12 Mbps. The battery life of the module is 10 months at 25 degrees Celsius and it is 5.5 months at 60 degrees Celsius. The IC693CPU366 module can be programmed with the Machine Edition Logic Developer software that is the PLC version 5.0 SP1 or later. For PLC C programing, the PLC C toolkit (ver**

3. Product Information

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Technical specifications for IC693CPU366

Brand GE Fanuc

Series Series 90-30

Part Number IC693CPU366

Product type CPU module

Microprocessor 80386EX

Profibus master Yes

Serial port 1

Voltage input 5 Volts DC

Current draw 940 milliamps

Operating temperature 0 to 60 degrees Celsius

Storage temperature -40 to 85 degrees Celsius

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The current consumption rating of the IC693CPU366 module at 5 Volts DC is 940 milliamps. For optimal performance, the temperature of the air surrounding the IC693CPU366 module should be maintained between 0 and 60 degrees Celsius. The recommended storage temperature range is from -40 to 85 degrees Celsius. The IC693CPU366 module supports a total of 4096 discrete I/O points. The total register memory available on the module is 240 kilobytes. Floating point math support is available through the firmware. The microprocessor on which the IC693CPU366 module is based is the 80386EX microprocessor. A modular CPU such as the IC693CPU366 module consists of a CPU, memory, and associated integrated circuit chips soldered to a circuit board which is mounted in a plug-in module. The IC693CPU366 CPU module is installed in Slot 1 of a PLC baseplate.