GE Series 90-30 Series Service Manual

IC693CPU364

1. Description

The GE Fanuc IC693CPU364 is a Series 90-30 Processor module. This module is a CPU 364 module with single slot width, processor speed of 25 MHz with typical scan rate of 0.22 ms per 1K of logic for Boolean contacts. It has an embedded user memory of 240KB with One (1) Ethernet communication port.

2. Specifications

Specification	Value
Brand	**GE Fanuc**
Series	**Series 90-30**
Part	**Number IC693CPU364**
Serial	**port RS-485 (via power supply**
User	**memory 240K Bytes**
Operating	**temperature 0 to 60 degrees Celsius (32 to 140 degrees Fahrenheit)**
CPU	**type Single slot CPU module with embedded Ethernet Interface**
Processor	**speed 25 Megahertz**
Register	**memory 240 kilobytes**
Power	**requirements 1.51 Amps from +5 VDC supply**
Typical	**Scan Rate 0.22 milliseconds per 1K of logic (boolean contacts)**
Type	**of Memory Storage RAM and Flash**
Number	**of Ethernet ports One (1)**
Storage	**temperature -40 to 85 degrees Celsius (-40 to 185 degrees Fahrenheit)**
Product	**type CPU module**
Compatibility	**GE Fanuc 90-30 PLCs**
Microprocessor	**80386EX**
Integrated	**Ethernet Yes**
Ethernet	**interface AAUI or 10BaseT**
The	**IC693CPU364 is a Controller module from the Series 90-30 product family. This controller is manufactured by GE Fanuc automation featuring One (1) Ethernet interface, 240KB user memory, 80386EX processor with processor speed of 25 MHz and typical scan rate of 0.22 ms pe**

3. Product Information

The GE Fanuc IC693CPU364 is a Series 90-30 Processor module. This module is a CPU 364 module with single slot width, processor speed of 25 MHz with typical scan rate of 0.22 ms per 1K of logic for Boolean contacts. It has an embedded user memory of 240KB with One (1) Ethernet communication port.

Technical specifications for IC693CPU364

Brand GE Fanuc

Series Series 90-30

Part Number IC693CPU364

Serial port RS-485 (via power supply

User memory 240K Bytes

Operating temperature 0 to 60 degrees Celsius (32 to 140 degrees Fahrenheit)

CPU type Single slot CPU module with embedded Ethernet Interface

Processor speed 25 Megahertz

Register memory 240 kilobytes

Power requirements 1.51 Amps from +5 VDC supply

Typical Scan Rate 0.22 milliseconds per 1K of logic (boolean contacts)

Type of Memory Storage RAM and Flash

Number of Ethernet ports One (1)

Storage temperature -40 to 85 degrees Celsius (-40 to 185 degrees Fahrenheit)

Product type CPU module

Compatibility GE Fanuc 90-30 PLCs

Microprocessor 80386EX

Integrated Ethernet Yes

Ethernet interface AAUI or 10BaseT

The IC693CPU364 is a Controller module from the Series 90-30 product family. This controller is manufactured by GE Fanuc automation featuring One (1) Ethernet interface, 240KB user memory, 80386EX processor with processor speed of 25 MHz and typical scan rate of 0.22 ms per 1K of logic for Boolean contacts.

This controller supports up to 2,048 Discrete inputs, 2,048 Discrete outputs, up to1,280 bits of internal discrete global memory, 4096 internal coils, 256 bits of temporary output coils, Configurable Analog Inputs in 128 word increments from 128 to 16,384 words with Logicmaster software and from 128 to 32,640 words with Control version 2.2 and Analog outputs that are configurable in 128 word increments from 128 to 16,384 words using Logicmaster programming software and 128 to 32,640 words when using Control version 2.2.

The IC693CPU364 is generally referred to as CPU 364. It is a single slot width controller module, with processor type of 80386EX and processor speed of 25 MHz while exhibiting a scan rate of 0.22 ms per 1K of logic for Boolean contacts (typical). It has an embedded user memory amounting to 240KB which may be configured depending on the configured %R, %AI, and %AQ variables and registers. It has One (1) Ethernet communication port for programming and communication. This controller may also be communicated through the built-in RS485 communication port that is installed to the power supply located on the left most slot of the baseplate. This controller supports up to Eight (8) baseplate with One (1) baseplate being the CPU baseplate and Seven (7) being the remote I/O baseplates.

In addition to having Ethernet communication, the IC693CPU364 module also comes with a single serial port which located on the power supply of the PLC. The load required by the IC693CPU364 module from the PLC power supply is 1.51 Amps at 5 Volts DC. The speed of the processor on the module is 25 Megahertz. The recommended ambient temperature range is 0 to 60 degrees Celsius. The total user memory is 240 kilobytes. The IC693CPU364 module can be installed in slot 1 of a modular CPU baseplate. Slot 1 is a unique size and type which is only suitable for CPU modules. Modular CPU baseplates support expansion and remote baseplates. A 25-pin, D-type expansion connector (female) located on the right side of the CPU baseplate can be used to connect to a remote or expansion baseplate.