GE RX3i PacSystem Series Service Manual

IC695CMU310

1. Description

The IC695CMU310 Max-ON Hot-Standby Redundancy CPU is an RX3i Series CPU from GE Fanuc. It comes with a single slot design, 1 Amp of power requirements at 5 Volts DC, and 2 communication ports. It weighs 1 pound.

2. Specifications

Specification	Value
Brand	**GE Fanuc**
Series	**RX3i PacSystem**
Part	**Number IC695CMU310**
Product	**Description Max-On Hot-Standby Redundancy CPU**
Number	**of Slots Single Slot**
Power	**Requirements 1 Amp at +5 Volts DC, 1.25 Amps at +3.3 Volts DC**
Communication	**Ports RS-232, RS-485**
Protocol	**Support Modbus RTU Slave, SNP, Serial I/O**
Backplane	**Dual backplane**
Program	**Storage 10 Mbytes of RAM and User Memory**
Operating	**Temperature 0 to 60 degrees Celsius**
Floating	**Point Yes**
Weight	**1 Pound**
The	**IC695CMU310 CPU module is an RX3i PacSystems Max-ON CPU and a Hot-Standby redundancy CPU made by GE Fanuc. It is made to communicate data through dedicated Ethernet LANs. This module must be connected with an RX3i universal backplane, Ethernet modules, Series 90-30 expansion backplanes, PacSystems devices, and the Max-On software to build a complete RX3i system application. The GE IC695CMU310 Max-ON Hot-Standby Redundancy CPU has up to 10 MB of battery-backed RAM as the program storage. The typical Boolean execution speed of this module is**

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Technical specifications for IC695CMU310

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Backplane Dual backplane

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The IC695CMU310 Max-ON Hot-Standby Redundancy CPU is designed to be electrically compliant with the PCI 2.2 standards to meet industrial requirements. It supports serial communication protocols such as the Modbus RTU Slave, SNP, and Serial I/O protocols. Some of the features of this module include up to 512 program blocks, reference table bulk memory accessing, 10 MB of non-volatile flash user memory, and auto-located symbolic variables. The battery pack helps to maintain the storage and memory even when the power is removed from the device. There is a 3-position switch that controls the operation of the CPU. It also has LEDs for status updates. The IC695CMU310 Max-ON Hot-Standby Redundancy CPU uses its serial ports for the backplane Ethernet interface to communicate with the programmer. Before installation, make sure to turn off the backplane power. This module can be used in redundancy applications such as fuel loading, boiler systems, and standby power generation applications. It is not recommended to use the module in SIL 2 or SIL 3 applications.