GE RX3i PacSystem Series Service Manual

IC695CMX128

1. Description

The IC695CMX128 RX3i Control Memory Xchanger Module is a PacSystems CMX module made by GE Fanuc. It comes with a power requirement of 253 milliamps at +5 Volts DC and 660 milliamps at +3.3 Volts DC, 128 MB of SDRAM for user memory, and 2.1 gigabits per second of bus speed. It weighs 1 pound.

2. Specifications

Specification	Value
Brand	**GE Fanuc**
Series	**RX3i PacSystem**
Part	**Number IC695CMX128**
Product	**Description Control Memory Xchanger Module**
Number	**of Slots Single Slot**
Power	**Requirements 253 mA at +5 Volts DC, 660 mA at +3.3 Volts DC**
User	**Memory 128MB SDRAM**
Packet	**Size 4 to 68 bytes, dynamic**
Bus	**Speed 2.1 Gbits/sec**
Network	**Transfer Rate 43 Mbyte/s, 174 Mbytes/s**
Network	**Compatibility VMIC 5565 reflective memory devices**
Connectors	**Fiber optic LC type**
Weight	**1 Pound**
The	**IC695CMX128 PacSystems Control Memory Xchanger Module is an RX3i series CMX module from GE Fanuc. It helps to share data between PLCs and other devices via a high-speed fiber-optic network. It uses a reflective memory network that can have up to 256 nodes. The network line transfer rate is 2.1 gigabits per second. The IC695CMX128 PacSystems Control Memory Xchanger Module is also compatible with the GE VMIC 5565 family of reflective memory devices. Some of the features of this control memory exchanger module include a single-slot form factor, 128 MB o**

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Technical specifications for IC695CMX128

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The IC695CMX128 PACSystems Control Memory Xchanger Module has 4 green status LEDs that are the "OK," "CONFIG," "SIG DELETE," and "OWN DATA" LEDs. They inform the users about the status of the CPU, about the module configuration, about signal detection, and about received data packets. The bottom of the module has an optical transceiver which contains 2 LC type fiber optic ports. These modules can be networked together with single or dual multimode fiber optic cables. The Proficy Machine Editor Logic Developer Software version 5.80 or later is required to program the module. It offers basic read and write operations as well as additional functions such as reading the interrupt status, reading parity errors, and other advanced functions. The nodes of the reflective memory network are connected in a daisy chain loop with fiber optic cables so that the transmitters and receivers are connected. The transmitter of the first node is connected to the receiver of the second node until the loop is completed.