GE Versamax Series Service Manual

IC200SET001

1. Description

The IC200SET001 is an Ethernet to serial network module that is part of the VersaMax series, formerly manufactured by GE Intelligent Platforms (GE IP), now under Emerson Automation. This module is mainly used to allow VersaMax Micro and nano controller to connect to industrial Ethernet network. Users may upload, download and monitor programs via the Ethernet port that supports

2. Specifications

Specification	Value
Brand	**GE Fanuc**
Series	**Versamax**
Manufacturer:	**GE Fanuc (Former); Emerson Automation (Current)**
Part	**Number IC200SET001**
Series	**VersaMax**
Product	**Name Ethernet to Serial Network Module**
Product	**Description Ethernet to Serial network module**
Ethernet	**Port 10/100Mbits port supporting RJ45 connection**
Communication	**configurations Ethernet SRTP to SNP; Modbus TCP to Modbus Slave**
Serial	**Port One RS-232 and one RS-485 port (up to 16 devices supported)**
No.	**of Ethernet Ports One (1) RJ45ports**
Communications	**Configurations Ethernet SRTP to SNP or Modbus TCP to Modbus Slave**
Ethernet	**transmission rate 10/100 mbps**
Power	**Voltage 12/24 VDC**
Maximum	**cable distance 100 meters per segment**
Dimensions	**(W x H x D) 36 millimeters x 90 millimeters x 60 millimeters**
Serial	**communication interfaces One (1) RS232 / One (1) RS485**
No.	**of supported I/O devices up to Six (6) devices**
Power	**Supply Voltage Range 12/24 VDC**
Mounting	**DIN Rail**
Mounting	**DIN Rail / Panel Mount**
Power	**supply 12/24 VDC**
Dimensions	**36 (W) x 90 (H) x 60 (**

3. Product Information

The IC200SET001 is an Ethernet to serial network module that is part of the VersaMax series, formerly manufactured by GE Intelligent Platforms (GE IP), now under Emerson Automation. This module is mainly used to allow VersaMax Micro and nano controller to connect to industrial Ethernet network. Users may upload, download and monitor programs via the Ethernet port that supports

Technical specifications for IC200SET001

Brand GE Fanuc

Series Versamax

Manufacturer: GE Fanuc (Former); Emerson Automation (Current)

Part Number IC200SET001

Series VersaMax

Product Name Ethernet to Serial Network Module

Product Description Ethernet to Serial network module

Ethernet Port 10/100Mbits port supporting RJ45 connection

Communication configurations Ethernet SRTP to SNP; Modbus TCP to Modbus Slave

Serial Port One RS-232 and one RS-485 port (up to 16 devices supported)

No. of Ethernet Ports One (1) RJ45ports

Communications Configurations Ethernet SRTP to SNP or Modbus TCP to Modbus Slave

Ethernet transmission rate 10/100 mbps

Power Voltage 12/24 VDC

Maximum cable distance 100 meters per segment

Dimensions (W x H x D) 36 millimeters x 90 millimeters x 60 millimeters

Serial communication interfaces One (1) RS232 / One (1) RS485

No. of supported I/O devices up to Six (6) devices

Power Supply Voltage Range 12/24 VDC

Mounting DIN Rail

Mounting DIN Rail / Panel Mount

Power supply 12/24 VDC

Dimensions 36 (W) x 90 (H) x 60 (D) mm

Lifecycle status Active

The IC200SET001 is a communication module from the VersaMax series. This module is specifically an Ethernet to Serial network module, mainly used to allow a VersaMax Micro and Nano controller to communicate over Ethernet LAN. This module supports standard programming operations such as upload and download of user logic as well as monitoring of logic and I/O data. The IC200SET001 comes with a variety of communication interface specifically, One (1) RJ45 port that is used for Ethernet communication, supporting transmission rate of 10/100 mbps; One (1) RS232 and One (1) RS485 communication interfaces. These serial ports are designed for connection of up to Sixteen (16) devices. These ports allow bridging of communication interfaces, particularly Ethernet SRTP to SNP or Modbus TCP to Modbus Slave. To configure this device, compatible programming software that can be used are VersaPro 2.0 or greater and the Proficy Machine Edition Logic Developer. The IC200SET001 operates when supplied with nominal voltages of 12/24 VDC. This module supports installation to a standard 35 mm DIN rail or direct panel mounting to an enclosure subpanel or flat surfaces. It has dimensions of 36 (W) x 90 (H) x 60 (D) mm. This module supports firmware upgrade operation. Firmware may be downloaded over the serial communication port with the use of Hyper Terminal or via a network host. When downloading the firmware, the ethernet cable must be disconnected and power to the module must be secured. Any interruption during the process of firmware transfer may render the module unresponsive and nonfunctional.

The GE Fanuc IC200SET001 module is a Ethernet to Serial network adapter module that has a power voltage rating 12/24 Volts DC. It lets the Versamax Nano and Micro devices be installed to an Ethernet LAN through the Versamax SE easily. It also allows the users to easily monitor, download, and upload data on the Versamax Nano and Micro controllers. The module has one RS-485 serial port and one RS-232 serial port that support up to 16 devices. These operating systems can be used with programming software such as the Machine Edition Logic Developer software and the VersaPro 2.0 or later software. The network adapter module’s communication configuration settings can be changed from the Modbus TCP protocol to the Modbus Slave protocol or from the Ethernet SRTP protocol to the SNP protocol. The IC200SET001 network adapter module offers an interface between Ethernet and serial devices. When using this module, serial devices are linked to an Ethernet network via the TCP/IP protocol. For example, the users can connect devices such as computer network controllers (CNCs), terminals, programmable logic controllers (PLCs), and display units. The power consumption rating of the IC200SET001 serial to Ethernet network adapter module is 3 Watts, and the power source voltage can range between 9 to 30 Volts DC. However, the module can operate with a power supply of 24 Volts from the Versamax Series 90-30 family. The power capacity of an operational power supply should not be exceeded. This module is used along with a CPU with a 10 MHZ V.40 processor, 128 KB of RAM, and 128 KB of EPROM. It has dimensions of 36 millimeters x 90 millimeters x 60 millimeters.