

MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

GE VERSAMAX

IC200EBI001

ETHERNET NETWORK INTERFACE UNIT

Used with the applicable VersaMax network interfaces configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

Source: GE official manufacturer documentation

Available VersaMax NIUs

Ethernet Network Interface Unit	IC200EBI001
Profibus Network Interface Unit	IC200PBI001
Genius Network Interface Unit	IC200GBI001
DeviceNet Network Interface Unit	IC200DBI001

Ethernet NIU

The Ethernet Network Interface Unit (IC200EBI001) serves as the connection point between VersaMax I/O modules and a single 10/100Base-T Ethernet network. The NIU supports Modbus/TCP protocol.

For information about the Ethernet Network Interface Unit, refer to the *VersaMax System Ethernet Network Communications User's Manual* (GFK-1860).

DeviceNet NIU

The DeviceNet Network Interface Unit (IC200DBI001) is a DeviceNet slave module. DeviceNet supports a variety of communication structures including peer to peer, multi-master and master/slave with broadcasting capabilities. Up to 64 nodes can be connected to a DeviceNet network without bridging or routing.

For information about the DeviceNet Network Interface Unit, refer to the *VersaMax System DeviceNet Network Communications User's Manual* (GFK-1533).

Profibus NIU

The Profibus Network Interface Unit (IC200PBI001) operates as a slave on a Profibus-DP Network, automatically exchanging I/O, status, control, and diagnostic data with a master device. The NIU is capable of handling up to 375 bytes of I/O data, consisting of up to 244 bytes of discrete and analog input data and up to 244 bytes of discrete and analog output data. The system host can be any device capable of operating as a bus master.

For information about the Profibus-DP Network Interface Unit, refer to the *VersaMax System Profibus Network Modules User's Manual* (GFK-1534, revision A or later).

Genius NIU

The Genius Network Interface Unit (IC200GBI001) operates as a device on a Genius bus. The NIU is capable of handling up to 128 bytes of discrete and analog input data and 128 bytes of discrete and analog output data. The system host can be any PLC or computer capable of controlling the Genius bus.

For information about the Genius Network Interface Unit, refer to the *VersaMax System Genius Network Interface Unit User's Manual* (GFK-1535).

Module Power Requirements

Catalog Number	Description		Backplane Current Consumption in mA	
			5V	3.3V
IC200CPU001, IC200CPU002	CPU with 2 serial ports	no serial port converter or EZ Program Store device	40	100
		with serial port converter or EZ Program Store device	140	
IC200CPU005	CPU with 2 serial ports	no serial port converter or EZ Program Store device	80	290
		with serial port converter or EZ Program Store device	180	
IC200CPUE05	CPU with 2 serial ports, embedded Ethernet interface	no serial port converter or EZ Program Store device	160	650
		with serial port converter or EZ Program Store device	260	
IC200EBI001	Ethernet Network Interface Module		175	425
IC200GBI001	Genius Network Interface Module		250	10
IC200PBI001	Profibus Network Interface Module		450	10
IC200DBI001	DeviceNet Network Interface Module		160	10
IC200BEM102	Profibus Network Slave Module		350	
IC200BEM103	DeviceNet Network Control Module		140	
IC200BEM104	AS-i Network Interface Module		350	
IC200ETM001	Expansion Transmitter Module		44	
IC200ERM001	Expansion Receiver Module, Isolated		430	20
IC200ERM002	Expansion Receiver Module		70	20
IC200ALG230	Analog Input Module, 12 Bit Voltage/Current 4 Channels		125	
IC200ALG240	Analog Input Module, 16 Bit Voltage/Current, 1500VAC Isolation, 8 Channels		15	120
IC200ALG260	Analog Input Module, 12 Bit Voltage/Current 8 Channels		130	
IC200ALG261	Analog Input Module, 15 Bit Voltage Differential 8 Channels		200	
IC200ALG262	Analog Input Module, 15 Bit Current Differential 8 Channels		200	
IC200ALG263	Analog Input Module, 15 Bit Voltage 15 Channels		150	
IC200ALG264	Analog Input Module, 15 Bit Current 15 Channels		100	

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