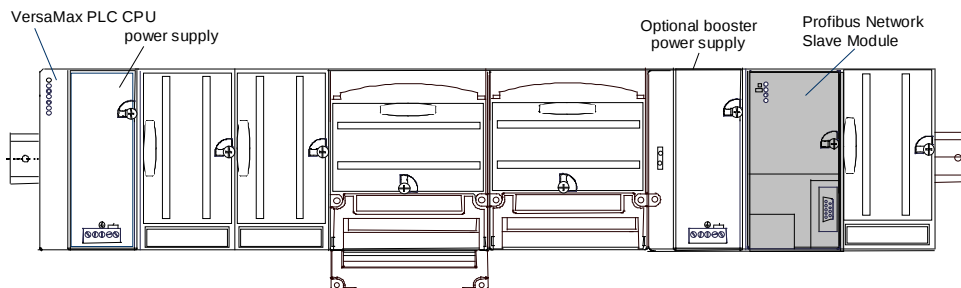


Communications Modules

Communications modules provide additional flexibility for VersaMax systems. These communications modules install on a VersaMax Communications Carrier. Power for the communications module comes from the main system power supply or from a booster supply as displayed in the following figure.



Available VersaMax PLC Communications Modules

Communications Modules	
Profibus-DP Network Slave Module	IC200BEM002
DeviceNet Network Control Module	IC200BEM103
Asi Network Master Module	IC200BEM104
Communications Carrier	IC200CHS006
Serial Communications Module	IC200CMM020

For information about the Communications Carrier, refer to chapter 4.

Profibus-DP Network Slave Module

The Profibus-DP Network Slave Module (IC200BEM002) is a communications module that exchanges PLC reference table data on the Profibus network. The VersaMax PLC CPU can read and write this data as though it were conventional bit- and word-type I/O data.

Multiple Profibus-DP Network Slave Modules may be used in the same VersaMax PLC. Each one can read up to 244 bytes of data from the network, and send up to 244 bytes of output data. The total amount of combined inputs and outputs is 384 bytes.

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

DeviceNet Network Control Module

The DeviceNet Network Control Module (IC200BEM103) is a communications module that can be configured to operate as a master, as a slave, or as both simultaneously. It can exchange up to 512 bytes of input data and 512 bytes of output data with other devices on the DeviceNet network. The VersaMax PLC CPU can read and write this data as though it were conventional bit- and word-type I/O data.

The Network Control Module operates as a Group 2 Only Client (master) and can communicate only with Group 2 Slave devices. It can also operate as a Group 2 Only or a UCMM-capable Server (slave), or as a master and slave simultaneously.

For information about the DeviceNet Network Control Module, refer to GFK-1533, *VersaMax System DeviceNet Network Communications User's Manual*.

Asi Network Master Module

The VersaMax AS-Interface Network Master (IC200BEM104) conforms to the AS-Interface Specification for the master AS-Interface protocol. It can be used to connect a VersaMax PLC or I/O station NIU to an Actuator-Sensor network.

The AS-Interface module supports communications with up to 31 slave devices, exchanging to exchange up to 4 bits of input data and 4 bits of output data per slave address on the Actuator-Sensor network.

For information about the AS-Interface Network Master Module, refer to GFK-1697, *VersaMax System ASI Network Communications User's Manual*.

Serial Communications Module

The VersaMax Serial Communications Module, IC200CMM020, operates as a Modbus RTU Master in a VersaMax I/O Station. The Serial Communications module receives commands from a remote host such as an RX7i PLC.