

- What field devices will connect to the third-party controllers?
- Your scanning strategy for these third-party controllers.

ControlNet Interface (CNI)

The ControlNet Interface module (CNI) enables communication by way of the ControlNet network between the Server and its associated databases to the C200 Controllers, and between the C200 Controllers and I/O Modules. Also, the ACE supervisory controller is included in the communications path when it is connected to the supervisory ControlNet.

A maximum of five CNIs are allowed in the configured controller chassis, consisting of one uplink CNI to the Server and up to four optional downlink CNIs to optional remote I/O chassis.

CNI models TC-CCN014 and TC-CCR014 or TK-CCR014 are required for use in redundant controller chassis. Earlier CNI models TC-CCN013 or TC-CCN012 and TC-CCR013 or TK-CCR013 or TC-CCR012 or TK-CCR012 may be used but they may not fully support the latest enhancements.



ATTENTION

The model numbers beginning with the prefix "TK" are for the coated version of the module.

CNI model numbers using N, as in TC-CCN014, are for non-redundant ControlNet cable only and are the configuration default due to lower user cost. When redundant ControlNet cable configuration is necessary for greater network security, model numbers using R, as in TC-CCR014, must be used.

Refer to [Planning Your Chassis Configurations](#) for more information about CNI placement in your chassis.

Fault Tolerant Ethernet Bridge

The Fault Tolerant Ethernet (FTE) Bridge module (model TC-FTEB01/TK-FTEB01) enables communication by way of Honeywell's Fault Tolerant Ethernet network between the Server and its associated databases to the C200 Controllers and/or Fieldbus Interface Module (FIM) only chassis. Also, the ACE supervisory controller is included in the communications path when it is connected to the ControlNet or FTE supervisory network.

Only one FTE Bridge module is allowed per C200 Controller or FIM only chassis.

I/O Input Modules

Input modules convert ac or dc On/Off signals from user devices to appropriate logic level for use within the Control Processor. Typical input devices include:

- proximity switches
- limit switches
- selector switches
- float switches
- pushbutton switches
- Field transducers such as tachometers and flow meters.