

Need Additional Communications Ports?

Do you need communications ports in addition to the built-in CPU communications ports to connect to an operator interface or HMI? Would you like to connect to a network of other AutomationDirect products, or a Modbus RTU or Ethernet network? If yes, then choose between the [H4-ECOM100](#) Ethernet communications module or the [D4-DCM](#) serial data communications module. Both modules' specifications and communications details are covered later in this section.

Ethernet networking with the H4-ECOM100

All DL405 CPUs support the [H4-ECOM100](#) module, which makes Ethernet networking a snap. The [H4-ECOM100](#) module supports industry-standard 10/100Base-T networking with an RJ45 port. The ECOM100 module works with standard cables, switches and repeaters. A virtually unlimited number of PLCs can be connected to an Ethernet network using ECOM modules. This is the fastest data transfer rate we offer for your HMI or other Windows-based software. Use DirectSOFT to program any PLC on the network, and when monitoring your operating PLC, you will see much faster updates with Ethernet and the ECOM modules.

Serial networking with the D4-DCM

All DL405 CPUs support the [D4-DCM](#) Data Communications Module that can serve as a DirectNet Client/Server, DirectNet peer, or a Modbus RTU Server. The D4-DCM supports RS-232 and RS-422 communications. You can program the CPU through the DCM locally, or if a PC is the RS-422 Client, you can use DirectSOFT to program any PLC on the network.

NOTE: Any hardware with a date code less than 09X0 or with a first digit that is not 0, 1, or 2 may not work with the D4-454. We suggest that any hardware older than ten years and not currently sold on the AutomationDirect.com website be upgraded to a newer version.



Note: The D4-454 CPU also supports a Modbus RTU Client module for connection to a Modbus RTU network. This module is listed later in this section.

