

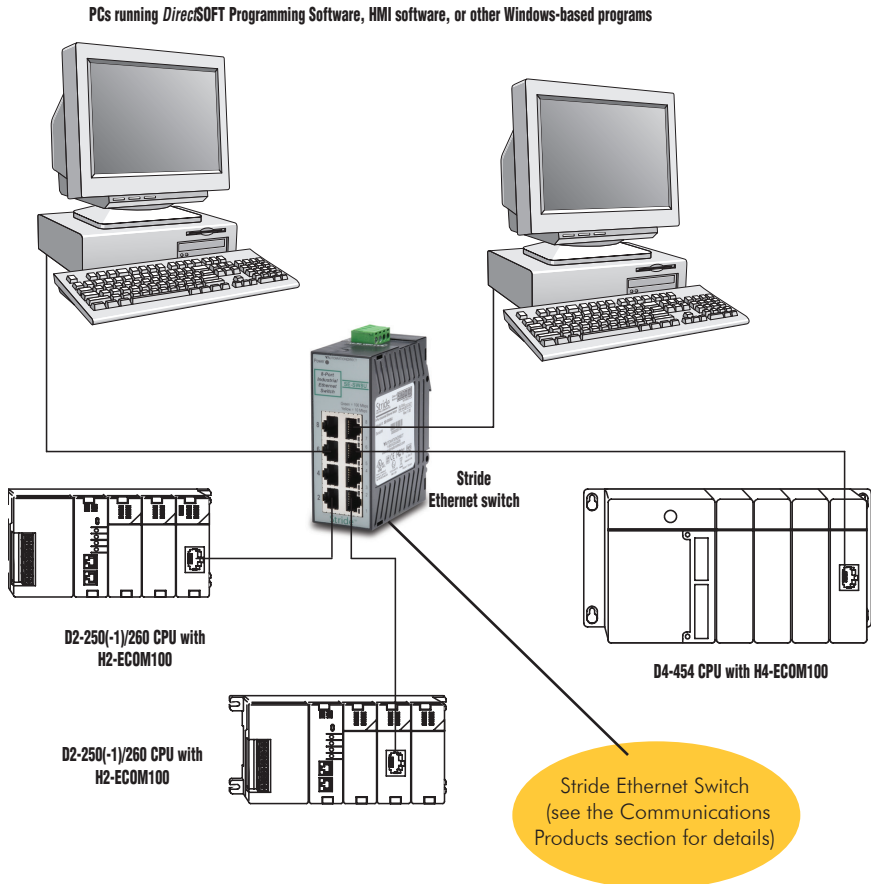
Need Additional Communications Ports?

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.

Note: The D4+454 CPU also supports a Modbus RTU master module for connection to a Modbus RTU network. This module is listed 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* master/slave, *DirectNet* peer, or a Modbus RTU slave. 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 master, you can use *DirectSOFT* to program any PLC on the network.

