



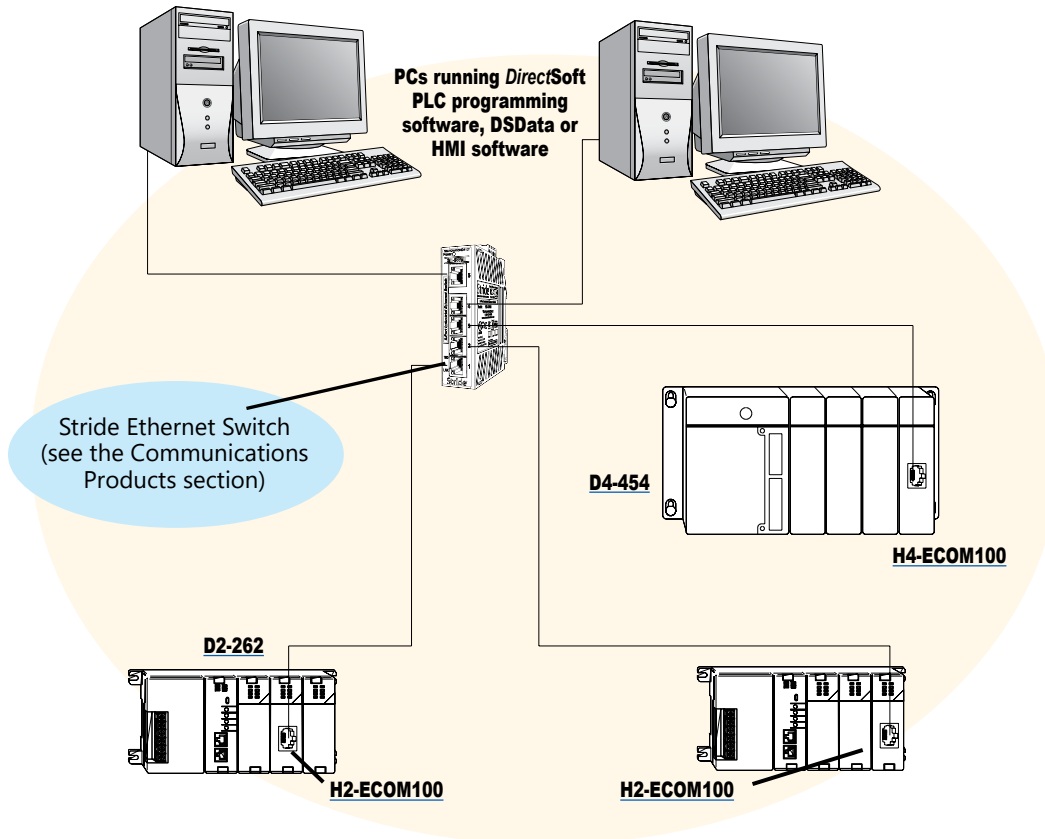
## Step 3: Additional Communications Ports Needed?

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 so, then choose between the H2-ECOM100 Ethernet communications module or the D2-DCM serial data communications

module. Both modules' specifications and communications details are covered later in this section.

### H2-ECOM100 Ethernet network



#### **The H2-ECOM100 can be used for:**

- High-speed peer-to-peer networking of PLCs (any PLC can initiate communications)
- CPU programming with **DirectSOFT** Programming Software
- High-speed data acquisition via HMI or other HMI software
- Virtually unlimited number of network nodes
- Very easy to setup

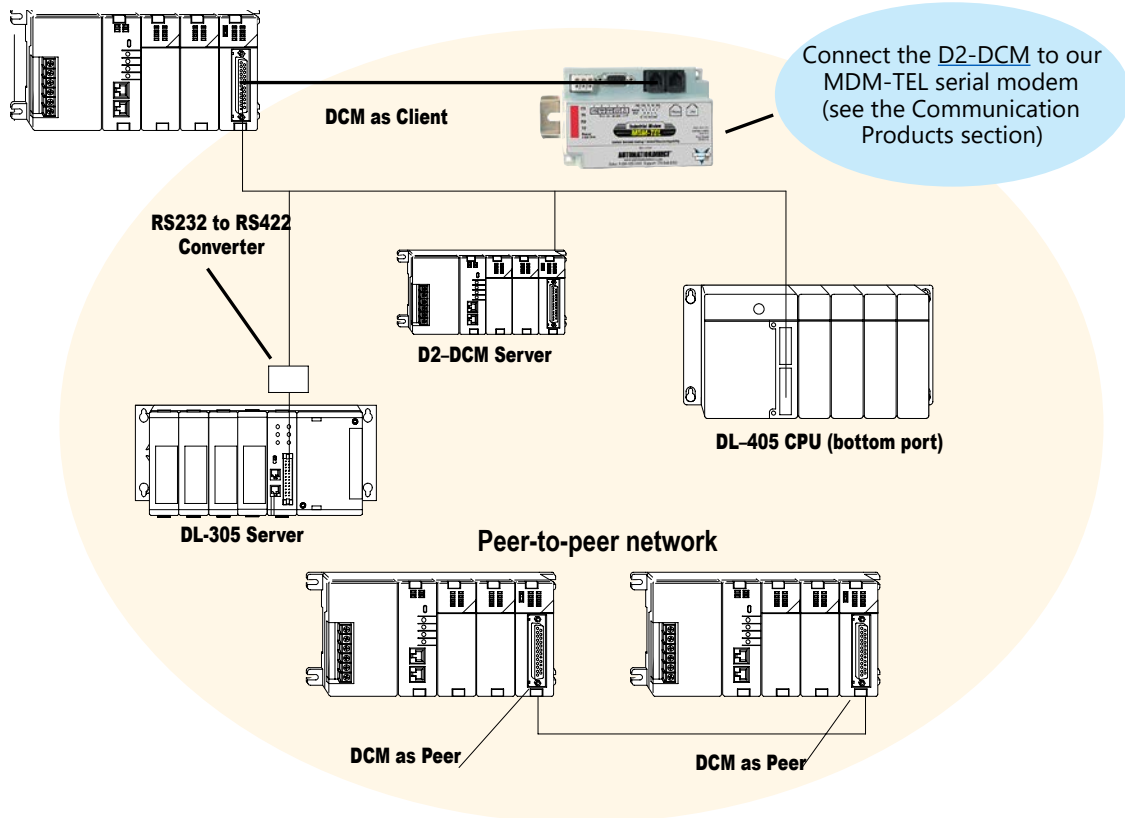
### Ethernet networking with the H2-ECOM100

The D2-262 CPU supports the H2-ECOM100 Ethernet communications module. Any PLC on an ECOM network can initiate communications with another PLC or use **DirectSoft** to program any PLC on the network. This is the fastest data transfer rate we offer for HMI or other Windows-based software. When monitoring your PLC, you will notice much

faster updates using the ECOM module. The H2-ECOM100 module supports the industry standard 10 or 100Base-T with an RJ45 port. The ECOM modules use standard cables, hubs and repeaters which are available from a large number of suppliers. A virtually unlimited number of PLCs can be connected to an Ethernet network using ECOM modules.



## D2-DCM serial network



### The D2-DCM can be used for:

- **DirectNet** networking of PLCs (only one DCM or PC can serve as Client)
- Peer-to-peer networking of two DCM modules (each can serve as a Client or Server)
- CPU programming with **DirectSOFT** Programming Software
- Data acquisition via HMI, DSDData Server, or other HMI software
- A Server on a Modbus RTU network
- Connection to a serial modem (MDM-TEL)

## Serial networking with the D2-DCM

The D2-262 CPU supports the D2-DCM Data Communications Module, which can serve as a **DirectNet** Client/Server, **DirectNet** peer, or a Modbus RTU Server. The D2-DCM supports both RS-232 and RS-422. 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.