

DCM overview

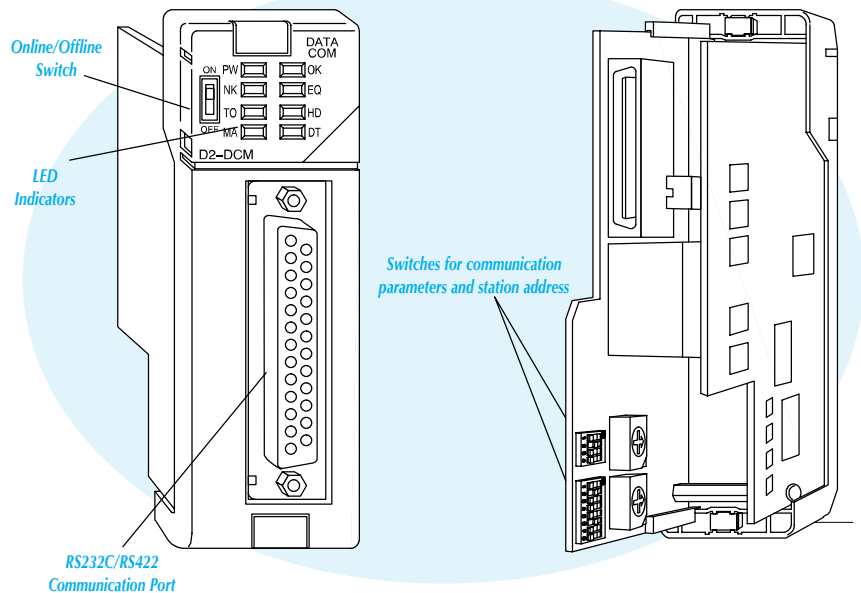
The DL205 Data Communication Module (D2-DCM) is a general purpose communications interface for the DL205 family of Programmable Logic Controllers (PLCs). This module only works with the D2-240 and D2-250 CPUs. It will not work with a D2-230 CPU. This module is primarily used for three reasons:

- Extra general purpose communications port to connect a personal computer, operator interface, etc.
- Network interface to **DirectNET**
- Network interface to a MODBUS® network using the RTU protocol

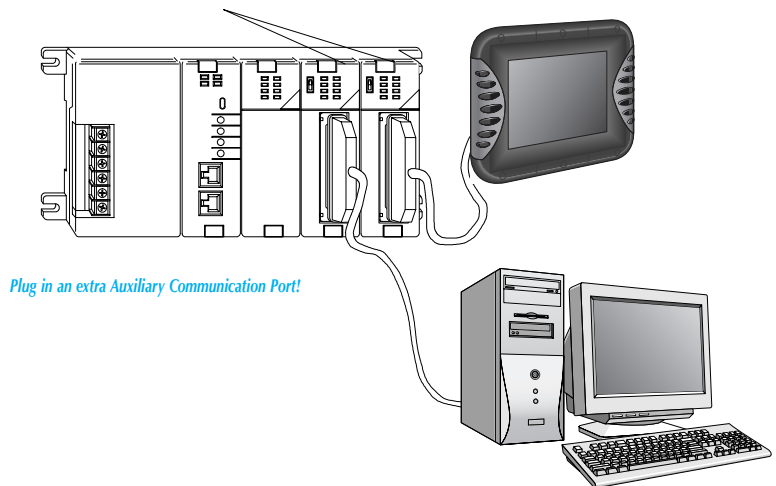
Mode 1: extra communication port

All DL205 CPUs offer at least one built-in communication port. (The D2-240 and D2-250 have two ports!) However, if more communication ports are needed, they can easily be added by installing Data Communication Modules. Any device that can be connected to the communication ports of a DL205 CPU can be connected to the DCM; however, make sure the device has a DL205 compatible driver. This allows additional connections of devices, such as operator interfaces, personal computers, etc. Since the DCM does not require any programming, you can set the DCM communication parameters, connect the cables, and start transferring data.

Specifications	
Module Type	Intelligent
Modules per CPU	7 maximum, slot 1 or higher
CPUs Supported	D2-240 (firmware V1.8 or later) and D2-250
Communications	RS232C/422 signal levels, DirectNET Master/Slave, K-sequence or MODBUS RTU Slave protocol, Baud rate selectable from 300 to 38.4K baud, Odd or No parity, HEX or ASCII mode
Recommended Cable	Belden 9729 or equivalent (for RS422)
Field Wiring Connector	25-pin D-shell connector
Internal Power Consumption	300mA maximum at 5VDC, (supplied by base power supply)
Operating Environment	0°C to 60°C (32°F to 140°F), 5% to 95% humidity (non-condensing)
Manufacturer	Koyo Electronics



DCM as Extra Auxiliary Port



Note: if you are connecting a DV-1000 to the DCM, you must build a special cable.

