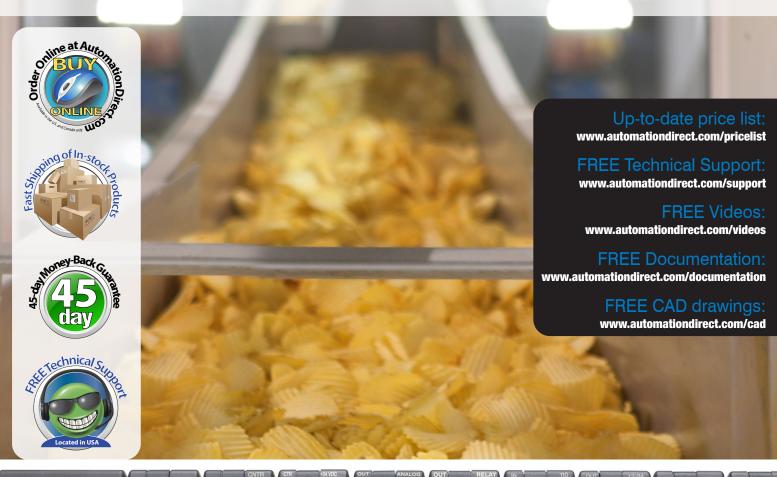
Direct_{LOGIC} DL205 Programmable Logic Controller (PLC)





DL205 - Cost-effective Micro Modular PLC



What is it?

The DL205 series PLC is a micro modular PLC that allows you to drastically lower your control system cost. This PLC has the necessary specifications to replace PLCs costing two to three times as much.

What's it got?

The DL205 advanced CPU, the D2-262, offers 30.4K of total memory (15.8K of program memory) and can support up to 16,384 I/O points. The D2-262 has two built-in communication ports that, depending on the specifications of each, can support devices such as HMIs, serial networks, remote I/O and ASCII devices. Its 280+ RLL (Relay Ladder Logic) and IBox instructions give it the ability to be part of a large and powerful control system with a price that meets a tiny budget! Four base sizes with built-in power supply support 12/24 VDC, 110/220 VAC and 125 VDC (six and nine-slot only) power sources.

Over 35 I/O and communication modules are available from discrete and analog to high-speed counter and Ethernet modules.

Related products include:

- Industrial DIN-rail mountable Ethernet hub/switch
- ZIPLink connector modules relay, fuse and LED options (See Wiring Solutions section.)
- Connectivity to SureServo and SureStep motion products



Relay ladder logic CPU

DL205 CPU

RLL (Relay Ladder Logic based) CPU

D2-262 (\$424.00) - 30.4K memory, maximum 16,384 I/O (also see Do-more section for new-generation CPU!)







Discrete input/ output modules

DC Input Modules

D2-08ND3 \$81.00 8-pt. 12-24V sink/source D2-16ND3-2 \$137.00 16-pt. 24V sink/source \$190.00 32-pt. 5-15V sink/source D2-32ND3 \$190.00 32-pt. 24V sink/source





32 pt module with optiona

AC input modules

\$116.00 8-pt. 110VAC D2-08NA-1 D2-08NA-2 \$148.00 8-pt. 220VAC D2-16NA \$204.00 16-pt. 110VAC

For the latest prices, please check AutomationDirect.com.

DC output modules

D2-08TD1	\$87.00	8-pt. 12-24V sink
D2-08TD2	\$86.00	8-pt. 12-24V source
D2-16TD1-2	\$152.00	16-pt. 12-24V sink
D2-16TD2-2	\$152.00	16-pt. 12-24V source
F2-16TD1P	\$162.00	16-pt. 12-24 VDC sink
F2-16TD2P	\$163.00	16-pt. 12-24 VDC source
D2-32TD1	\$193.00	32-pt. 12-24V sink

\$193.00 32-pt. 12-24V source



16 pt module with emovable terminal block

AC output modules

D2-08TA \$165.00 8-pt. 18-220VAC F2-08TA \$208.00 8-pt. 20-125VAC, high

current

D2-32TD2

D2-12TA \$204.00 12-pt. 18-110VAC

Relay output modules

D2-04TRS \$104.00 4-pt. 4A/pt. 8A/module D2-08TR \$104.00 8-pt. 1A/pt. 4A/module \$135.00 8-pt. 8 form A, F2-08TR

10A/common

\$182.00 8-pt. 5 form A, F2-08TRS 3 form C, 7A/pt

D2-12TR \$166.00 12-pt. 12 form A, 1.5A/pt

Combination

D2-08CDR \$100.00 4-pt. DC in, 4-pt. relay out

Analog and Temperature modules



Analog input modules F2-04AD-1 \$360.00 4-ch, 4-20mA

F2-04AD-2 \$393.00 4-ch. 0-5V, 0-10V, -5 to +5V, -10 to +10V F2-08AD-1 \$442.00 8-ch. 4-20mA

F2-08AD-2 \$469.00 8-ch. 0-5V, 0-10V, -5 to +5V, -10 to +10V

Analog output modules

F2-02DA-1 \$282.00 2-ch. 4-20mA F2-02DA-2 \$295.00 2-ch. 0-5V. 0-10V. -5 to +5V. -10 to +10V

F2-02DAS-1 \$393.00 2-ch. 4-20mA, 16-bit isolated \$428.00 2-ch. 0-5V, 0-10V 16-bit isolated F2-02DAS-2

F2-08DA-1 \$535.00 8-ch. 4-20mA, sink/source selectable

\$482.00 8-ch. 0-5V, 0-10V F2-08DA-2

Combination analog

F2-4AD2DA **\$505.00** 4-ch. in/2-ch. out 4-20mA

F2-8AD4DA-1 \$634.00 8-ch. in/4-ch. out 4-20mA F2-8AD4DA-2 **\$626.00** 8-ch. in/4-ch. out 0-5V, 0-10V

Temperature

F2-04RTD \$539.00 4-ch. RTD input

0.15 degrees C resolution

\$529.00 4-ch. 16-bit F2-04THM

thermocouple and

millivolt

Communication modules

Ethernet H2-ECOM100 \$423.00

Master/Slave Ethernet 100Base-T

Serial/Modbus D2-DCM \$501.00 RS-232/422 DirectNET

master/slave, Modbus RTU

CoProcessor F2-CP128 \$604.00 BASIC Comm. CoProcessor,

3 ports, 128K memory, RS-232/422/485

Expansion I/O - Add up to four DL205 bases of expansion I/O to the D2-262 CPU. It's deterministic and low cost.

Ethernet Remote I/O - Use a 100 Mbit Ethernet Remote Master module (H2-ERM100 \$277.00) in a local DL205 base and add up to 16 bases of DL205 I/O, 16 Terminator I/O systems or four DL405 local I/O systems (with Ethernet Base Controllers).

Specialty modules

Input	Simu	ator

F2-08SIM \$107.00 8 pt Input Simiulator Serial H2-SERIO \$252.00 Three RS-232 ports H2-SERIO-4 \$252.00

\$445.00

Two RS-232 ports and one RS-422/485 portHigh **Speed Counting & Motion**

Four 250 kHz inputs, and two 20-250 kHz pulse train

outputs

Four base sizes

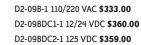
H2-CTRIO2

3-slot base 6-slot base D2-03B-1 110/220 VAC \$200.00 D2-06B-1 110/220 VAC \$268.00

D2-03BDC1-1 12/24 VDC \$249.00 D2-06BDC1-1 12/24 VDC \$304.00 D2-06BDC2-1 125 VDC \$279.00

4-slot base D2-04B-1 110/220 VAC \$217.00

9-slot base D2-04BDC1-1 12/24 VDC \$274.00





mDL2-2 DL205 PLCs mDL2-3 1 - 8 0 0 - 6 3 3 - 0 4 0 5 DL205 PLCs **VAUTOMATION DIRECT** www.automationdirect.com/dl205

2-for-1 prices

Check out our prices on everything from

I/O modules to bases and you'll see that our

everyday list prices are among the lowest in

DL205 Reasons why the DL205

is an extremely practical PLC



Program the DL205 family of PLCs with *Direct*SOFT6. Customers tell us that it's one of the easiest PLC programming packages to use.

\$462.00 programming software includes auto-tune PID

- Point and click or function key editing
- Can use nicknames or data points for writing programs
- I/O cross reference and element usage windows for keeping track of addresses used

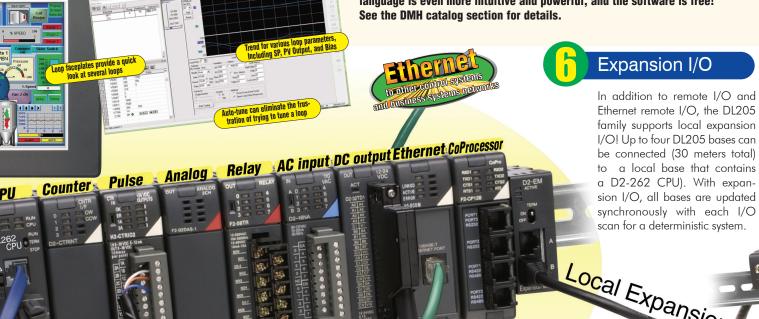
Or consider the Do-more CPU platform - its ladder-based programming language is even more intuitive and powerful, and the software is free!



Auto-tune PID

Some of the traditional PLC companies require a separate ladder program for each PID loop and for loop scheduling. We make it automatic.

- Fill out a chart for alarms and ramp/soak
- · Automatic loop scheduling
- Programming software includes the loop tune screen with trending (shown to the left)
- Loop auto-tuning, which allows the CPU to automatically determine the near-optimum loop settings



Local Expansion

Super flexible coprocessor module

Create custom BASIC programs to interface to barcode readers, VF drives or other intelligent ASCII devices. The module comes with 128K memory, 26 MHz CPU and three independent communication ports.

Practical low-cost analog

Do you need up to 16-bit resolution, up to eight channels of input or output, combination, RTD or thermocouple modules? The DL205 PLC has it all. And many of our modules have selectable unipolar or bipolar voltage range options (0-5V, 0-10V, \pm 5V or \pm 10V) too.

High current modules

We offer high current relay modules that can support up to 10A per point.

Practical temperature sensing

The DL205 series features a four-channel thermocouple module (F2-04THM for \$529.00) that is umper-configurable for the nine most popular thermocouple types, as well as four common voltage ranges.



Practical high-density modules and ZipLink connections

DL205 I/O modules offer a wide range of points per module including 4-pt., 8-pt., 12-pt., 16-pt. and 32-pt. modules. To help you wire them fast and inexpensively, *ZIP*Link quick connection cables and terminal blocks allow you to connect PLC I/O modules to terminal blocks in seconds. These easily pay for themselves by reducing wiring costs. We also offer relay, fused and LED ZIPLink modules. For information on our 5-second wiring solution, see ZIPLinks in the Wiring Solutions section or check out our convenient **ZIP**Link selector tool.

the industry. For instance, you can buy multiple D2-262 systems for the price of one of Allen-Bradley's CompactLogix CPUs. Will that help

your budget? Practical built-in communication includes easy-to-use **ASCII** instructions

Our D2-262 CPU, priced at \$424.00, offers two built-in communication ports. The top port supports programming and operator interfaces. The bottom port supports the same, as well as ASCII input and output (bar code readers, label printers, scales, servo drives), Modbus RTU master/slave, and Remote I/O master. And our new CPU platform for DL205 hardware, Do-more, has even more practical ports onboard, such as Ethernet and a USB prgramming port. See the DMH catalog sections for details.



Many communication modules are available for DL205 PLCs, including Ethernet, DeviceNet, and a general purpose serial communication module that supports HMIs, programming, operator panels, Modbus RTU slave and DirectNET slave.





At \$445.00, our high-speed countermodule (H2-CTRIO2) has four ind pendently configurable timer/counter channels (up to 250 kHz) and two pulse output generators (up to 250 kHz). The easy-to-use configuration tool is included in our PLC programming software, so it's a snap to integrate with your other application logic.

For counting on a shoestring budget, the \$150.00 D2-CTRINT module offers two 5 kHz counters, one up/down counter, or a variable pulse train output.

1 - 8 0 0 - 6 3 3 - 0 4 0 5

mDL2-4 DL205 PLCs **VAUTOMATION DIRECTS**

ZIPLink Selector

www.automationdirect.com/dl205

DL205 - Great Fit For On/Off Sequential Control



2-for-1 prices on I/O

Our I/O prices are incredibly low. This gives the DL205 a cost advantage on small I/O systems as well as large systems. Over 19 discrete modules are available on the DL205 system, ranging from 4-point

Put I/O anywhere

Reduce your wiring cost by locating I/O near your

field devices. Up to four expansion bases of I/O

(all synchronously updated each scan) can be placed 30

meters (total run) from the local base. 100baseT Ethernet

bases (H2-EBC100) can each be located up to 100 meters

from a local base with an Ethernet Remote Master module

(H2-ERM100). Fiber optic versions of these Ethernet

modules allow this distance to be increased to 2,000 meters.

modules to 32-point densities. The price comparison table below shows a few examples of how our prices compare to the list prices of similar modules from another vendor.

Practical built-in communications includes ASCII in and out

The D2-262 CPU offers two built-in communication ports. Connect a text panel or touch panel to one port and a bar code

Direct 205

reader or scale to the second port, or use any supported protocol for PLC networking.

AND HILL THE FILLS

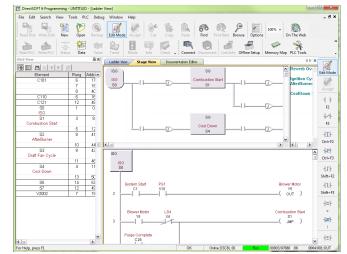
Expands from 8 I/O to 16,384 I/O

The DL205 PLC family is highly expandable. Four base sizes can be connected via local expansion I/O, serial remote I/O and Ethernet remote I/O to create a system as large as 16,384 I/O addressed by a single D2-262 CPU.

Great sequential instructions

Think of our drum instruction as a software emulation of a mechanical cam switch or a programmable limit switch. The rotation (steps) of the drum is controlled by time or events (inputs or control relays). As the drum sequences through the steps in your application, up to 16 preconfigured outputs/control relays change state. Drums are an efficient way to program sequential operations and our drums are made super easy to program with point and click editing.

DL205 drum timer instruction



Stage programming combines RLL instructions with flow chart thinking.

RLL, IBox and RLL+ **Programming**

Our Relay Ladder Logic (RLL) incorporates IBoxes, intelligent modularized instructions, that perform simple to complex ladder logic. RLL +, or "stage" programming, incorporates instructions that allow you to break your program into "stages" or states of a flow chart. Stage may also help reduce your memory requirements and



For more information on our "5-second wiring solution", check out the Wiring Solutions section or use the convenient ZIPLink selector tool to help you find the right ZIPLink modules and cables for your I/O connections.

ZIPLink Selector

High-density modules save space and money, and can be wired in seconds using **ZIP**Links

The DL205 modules offer a variety of I/O density from four to 32 I/O points per module. These modules are small and can get cramped when wiring. Use ZIPLink products for fast and easy wiring, including feedthrough terminals, relay terminals, fuse terminals and LED terminals (good for high density



Want to save wiring time?

Look for this symbol. Most DL205 modules can be used with our **ZIP**Link connection systems for easy

mDL2-6 DL205 PLCs

VAUTOMATION DIRECT

1 - 8 0 0 - 6 3 3 - 0 4 0 5

DL205 PLCs www.automationdirect.com/dl205



Auto-tune PID and RLL in one simpleto-use programming package

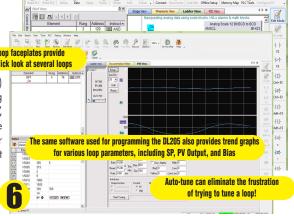
1 2-for-1 prices on analog I/O

Our analog I/O prices are very low. This allows the DL205 to be cost advantaged on small I/O systems as well as large systems.

Analog and temperature modules connect to almost any device.

The DL205 offers many analog modules, including thermocouple (16-bit) and RTD (16-bit). Our modules support a wide range of signals including 4-20 mA (sinking and sourcing), 0-5V, 0-10V, -5V to +5V, and -10V to +10V, allowing the DL205 PLC to connect to almost any device including pressure transmitters, proportional valves, AC drives, panel meters and more. Our 16-bit thermocouple module can also be configured to measure 16-bit input signals of -5 VDC to +5 VDC, 0-156 mv, -156 mv to +156 mv.





The D2-262 offers two built-in communication ports. Connect a text panel or touch panel to one port and a bar code reader or scale to the second port. The bottom port also supports networking protocols such as DirectNET and Modbus RTU master/slave.

C-more panels for a low-cost window into your application

Our C-more panels have some great features for process applications, including Factory symbol library (2,000 bit mapped graphical symbols), PID faceplates, recipe download objects, meters, trend graphs, bar graphs, thumbwheel switch objects, data logging and more.

5 Ethernet supports highend computer systems

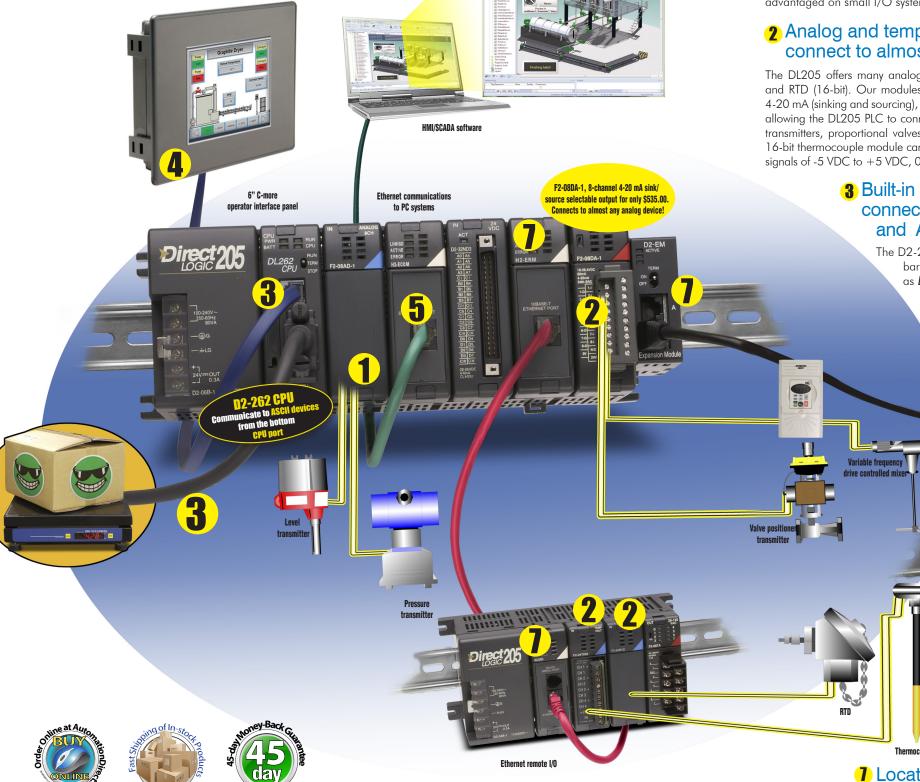
Need to connect to a high speed HMI or computer system? Add one or more 100base-T Ethernet communications modules (H2-ECOM100).

Built-in PID with auto-tune

The D2-262 with 16 built-in PID loops allows you to do PID control with ease. Some traditional PLC suppliers require a separate ladder program for each loop and for loop scheduling. We made it automatic! Key features include: fill-in chart for alarms and ramp/soak and automatic loop scheduling. The loop tune and trend software is included in our *Direct*SOFT programming package. The loop auto-tuning allows the CPU to automatically determine the near optimum loop settings.

Locate I/O anywhere

Reduce your wiring cost by putting the I/O next to thermocouples, sensors and other field devices by using expansion bases, remote bases, Ethernet remote bases and even fiber optic remote bases. Our analog and temperature modules work in all of these configurations.



mDL2-8 DL205 PLCs

VAUTOMATION DIRECT

DL205 - Supports Applications

With Analog and PID Control

1 - 8 0 0 - 6 3 3 - 0 4 0 5

www.automationdirect.com/dl205

DL205 - Not Afraid of Communication-Intensive Applications

■ Built-in communications to operator interfaces, PLC networking, and more

The D2-262 CPU offers two built-in communication ports that support a wide array of devices. The top port supports programming and operator interfaces. The bottom port on the D2-262 supports RS-232/422/485 networking, along with ASCII in/out, Remote I/O master and Modbus RTU master/slave. (With the D2-262 CPU you can connect this port directly to our GS series drives.)

2 Telephone modem support

AUTOMATIONDIRECT offers an industrial telephone modem (MDM-TEL) that allows access to PLC data and programs via a telephone line. The rugged industrial telephone modem mounts on a DIN-rail and easily connects to our PLCs. Connecting telephone modems to PLCs can be tricky. but this industrial telephone modem can be hooked up in seconds. The modem allows for remote PLC programming (use our *Direct*SOFT programming package over the phone), long distance PLC-to-PLC communica-

tions, and PLC

data reporting

to a PC HMI.

Custom communication built by you

The F2-CP128 (\$604.00) is a universal communication CoProcessor module. Create custom BASIC programs to interface to barcode readers, VF drives, or other intelligent devices with various protocols. (Write your own driver to a unique serial device.) Comes with 128K memory, 26 MHz CPU and three independent communication ports. Two

support master/slave RS-232/422/485 and the third supports RS-232.

• Industrial Ethernet switches for more deterministic communications

You can use most off-the-shelf Ethernet hubs or switches with our Ethernet communication products. However, we wanted to offer industrial Ethernet switches that would make your communications easy to set up and extremely

reliable. The STRIDE series of switches are DIN-rail mountable and are powered by 24 VDC. Use them to connect our DL205, DL405 or Terminator I/O and our GS1 and GS2 drives via our Ethernet drive card (GS-EDRV100), all on the same network.

AutomationDirect with Fthernet

Industrial DIN-rail mount Ethernet

Multiple C-more panels

on Ethernet network

Program DL205 PLCs and C-more panels over an Ethernet network

PC connected via Etherne

ollect data over the telephone

mDL2-10

DL205 PLCs

The modem and can replace a high-cost packaged Remote Telemetry

Unit (RTU) that may already be using a high-priced PLC as its brain. It can also be used for PLC to PLC

dialing triggered by a PLC output. Saves money on service calls, data acquisition and up-and-down time reporting.

Built-in **ASCII**

The D2-262 CPU supports ASCII input and ASCII output. We designed powerful fill-in-the-blank instructions that are used within your RLL program to allow easy communication to or from ASCII devices.

D2-DCM general purpose RS-232/RS422 port
supports DirectNET, Modbus RTU slave protocols (\$501.00)

6 Ethernet communications for touch panels and PLCs

Have you ever wanted to program multiple PLCs and touch panels over Ethernet, or have multiple touch panels connected to a single PLC? Not a problem. Use our general purpose H2-ECOM100 module in the DL205 base and connect it to multiple *C-more* panels, along with a PC with *Direct*SOFT, via our STRIDE Ethernet switches. The H2-ECOM100 module features 100Mbit rates and super-high speed peer communications between PLCs or to a PC.

mDL2-11 DL205 PLCs

H2-DM1 \$411.00 (1) USB port, (1) full-duplex serial port

www.automationdirect.com/dl205

H2-DM1E \$549.00 (1) USB port, (1) full-duplex serial port, (1) Ethernet port

DL205 - Handles Simple Data Acquisition and Supervisory Control

3-for-1 prices makes the DL205 a low price

Data acquisition systems often require many data points to be collected. This may include dozens, hundreds or perhaps thousands of discrete, analog or temperature inputs. This type of system can be extremely expensive with traditional PLCs or SCADA (Supervisory Control and Data Acquisition) systems. Previous pages describe how you can often buy two or three DL205 I/O modules (discrete and analoa) for the price of one module from some traditional suppliers. Add data acquisition software and you can afford to do more when using AUTOMATION DIRECT.

High-speed, low-cost Ethernet connects I/O

The DL205 supports a wide range of

Program our PLCs and touch panels over Ethernet 6

Our DL205, DL405 systems and *C-more* panels can be programmed over an Ethernet network. This feature is built into our standard low-cost programming software packages for those products.



High-speed Ethernet links PLC systems to a supervisory system ()

Use off-the-shelf Ethernet switches to communicate between multiple PLCs (peer-to-peer between PLCs) and a supervisory system. We offer the STRIDE series of industrial Ethernet switches for deterministic requirements.

For simple data logging, DataWorx (see www.bizwaredirect.com) easily connects the DL205 via Ethernet to standalone PCs or network servers. Collect data without the need for special PC programming or any 3rd party HMI, SCADA, or DAQ software

Leave your base in place and supercharge your PLC with an H2 Do-more CPU!



• Easy PID

Integrated Security

• Free Technical Support

Built-in Data Logging

Intuitive Motion Control

• DirectLogic Migration Tool

• Free Software (with built in simulator)

• Auto-Discovery of all I/O (local & Exp.)

Axis Mode for Motion Control Supports Ethernet I/O from CPU port (-DM1E models only)

• Supports EtherNet/IP (-DM1E models only)

Optional Ethernet Port on CPU

• Faster Processor

• USB & Serial Ports

Do>more/

Check it out for yourself at: www.AutomationDirect.com/Do-more



Ethernet-based products for connecting additional field I/O (our Terminator I/O. DL205 I/O, DL405 I/O) or even variable speed drives to your monitoring or control system. All of our Ethernet products are priced so you can take advantage of Ethernet for almost any application.

AUDITATION WHITE THE THE

mDL2-12 DL205 PLCs

amily of VFDs to

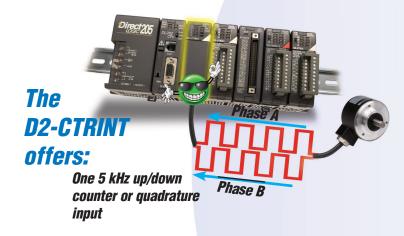
1 - 8 0 0 - 6 3 3 - 0 4 0 5 **VAUTOMATIONDIRECT**[§]

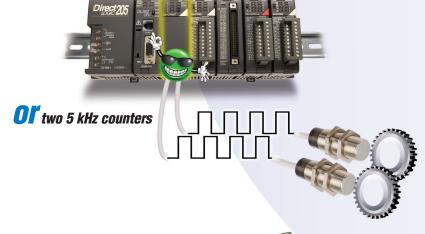
DL205 PLCs

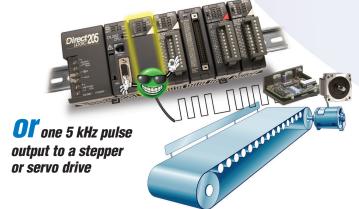
mDL2-13

DL205 - Cost-effective Counting and/or Pulse Output

The DL205 PLC family offers two different modules for applications that require counting and pulse output features. Read on to see which module best fits your application needs.









Simple but sweet!

The DL205 counter interface module (D2-CTRINT) is priced at \$150.00, making it the best way to perform basic counting or pulse output with a DL205 system. Basically, this is a discrete I/O module that counts or generates pulse and has been designed into the DL205 CPU, hence the name Counter Interface. The D2-CTRINT can be configured to perform any one of the following operations:

- Quadrature encoder input for clockwise and counter-clockwise position
- Two, 5 kHz high-speed counters
- Programmable pulse output with external interrupts and separate acceleration and deceleration profiles for positioning and velocity control (5K pulses max per second)
- Four external interrupt inputs for immediate
- · Pulse catch feature allowing the CPU to read four inputs, each having a pulse width as small as 5 µsec
- Programmable filters for reading up to 4 input signals to ensure input signal integrity

Limitations: For \$150.00 there are some limitations. Most often, this module can be used for only one of the functions listed. It cannot use the pulse output and counter features together for closed loop control. Some features are not available when used with certain DL205 CPUs. Only one D2-CTRINT module can be used per system and it must be placed in the I/O slot next to the CPU. All programming is done through RLL logic.

High-performance counting and pulse output with fill-inthe-blank software

ATTEMETER A

The DL205 high-speed counter module (H2-CTRIO2) is priced at \$445.00 and is our high-performance, high-feature offering for counting and pulse output. This module comes with a software utility that makes configuring

the module as simple as clicking on features and filling in the blanks. No features and tilling in the plants ladder logic is needed to operate this as a counter module, although you may use some RLL to coordinate your PLC program.

Key features include:

- Two 250 kHz quadrature encoder inputs or four 250 kHz high-speed counters (32-bit count range for +/-2.1 billion counts)
- Two programmable pulse outputs that suppition-the-blank numerous profiles including Trapezoid, Velocity, S-curve, or program-controlled Dynamic Positioning or use these outputs as four discrete isolated outputs for responding to counter presets (128 presets)
- Pulse catch feature (allows the module to read four inputs, each having a pulse width as small as 5 μsec)
- Programmable filters for reading up to four input signals to ensure input signal integrity
- Can use multiple modules in local DL205 base (any slot except slot 0)

Limitations: All input functions or all output functions can not be done simultaneously. Counting and pulse out can be done simultaneously, however the module does not internally support closed loop control.

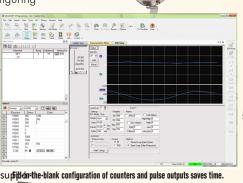
www.automationdirect.com/dl205



The H2-CTRIO2

Two 250 kHz quadrature counters

Of four single-channel 250 kHz counters

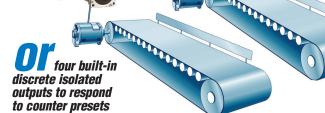


Pulse out





Two 250 kHz pulse outputs



mDL2-14 DL205 PLCs

VAUTOMATION DIRECT

1 - 8 0 0 - 6 3 3 - 0 4 0 5

DL205 PLCs

mDL2-15

C-more Touch panel

onDirect DL205 PLC with H2-CTRIO2 module (\$445.00)

AutomationDirect DirectSOFT PLC

programming software screens

411

DL205 - Useful for Applications That Need Simple Stepper or Servo Control.

60 60 P E 100 - 10 P W P 100 P

Here's why

There are many process applications that require accurate motion control at a fast pace, without expecting exact precision and blazing speed. The DL205 PLC, with the counter/pulse output modules' high speed counting capability and high frequency pulse output (H2-CTRIO(2)), offers a viable stepper and servo control solution for open-loop motion

Here's how

When coupled with our *Sure*Servo or *Sure*Step motion products, the resulting system is extremely cost-effective.

at Wate Data New Open Backup Edit Mede Accept

© Decinal V WORD V D MA

Auto Cycle Auto _ON

BCD/Hex ▼ WORD ▼ 🖺 📸

Alg Scale Chk'r

A DL205-based motion control system is very wellsuited to applications such as:

- · cut-to-length
- · indexing tables or conveyors



ww.sureservo.com



The SureServo family of brushless servo systems from AUTOMATION DIRECT is fully digital and offers a rich set of features at dynamite prices. Choose from eight standard servo motors that can be used in combination with one of three standard servo drives.

Rotary indexing liquid fill application

These servos are designed for flexibility and quick implementation. SureServo drives accept a wide range of command

- · Built-in motion controller with preset position, velocity or torque
- Select presets with switch inputs and/or the multi-drop Modbus serial interface
- Position commands with "pulse and direction" or CW/CCW format
- Encoder follower
- · Analog voltage Velocity or Torque
- Eight standard systems from 100 W to 3 kW
- Use with *Direct* LOGIC PLCs or any other
- · Drives feature on-board indexer and adaptive tuning modes
- Free set-up software
- 30-day money-back guarantee
- 2 year warranty

For configuration, tuning and diagnostics, use the drive's integrated keypad/display or take advantage of the free *Sure*Servo Pro™ PC-based software. Tune the system easily with adaptive outputs, 2 analog monitors and a scalable encoder output.

MODE A ENTER

NEXT 💙

auto-tuning selections or manual mode. Adapt to diverse applications with configurable I/O, including 8 digital inputs, 5 digital



The SureStep stepping family has twenty high-torque standard motors to handle a wide range of automation applications such as woodworking, assembly, and test machines. Our square frame or high torque style stepping motors are the latest technology, resulting in the best torque

flanges and holding torque ranges from 61 to 1288 oz-in. A 20-foot extension cable with locking connector is a standard accessory to interface any of the stepping motors to the microstepping drive, and can be easily cut to length if desired.

mDL2-16 DL205 PLCs

VAUTOMATION DIRECT

1 - 8 0 0 - 6 3 3 - 0 4 0 5

DL205 PLCs

mDL2-17