

# DL305 Family of Products

The following is a quick summary of the DL305 family of products. The DL305 products have been sold by previous vendors under a wide variety of part numbers. A complete list of product offerings with vendor cross-reference is available in the DL305 price list.

## CPUs

**D3-350 is discontinued. Please consider the Productivity, BRX, or CLICK Systems.**

## Specialty CPUs

### F3-OMUX-2

- Serial interface to Optomux host
- 2 communication ports (RS422/485)

### F3-PMUX-1

- Parallel interface to Pamux host

## Bases

**All DL305 bases have been retired. Please consider the Productivity, BRX, or CLICK Systems.**

## Analog modules

- 4 Channel IN, 12-bit, isolated
- 8 Channel IN, 12-bit
- 8 Channel thermocouple
- 16 Channel IN, 12-bit
- 4 Channel OUT 12-bit
- 4 Channel OUT 12-bit (isolated)

## Discrete input modules

### DC Input

- 16-pt. 5V/12-24 VDC (sink/source, 1ms response)

### AC/DC Input

- 8-pt. 24VAC/DC

## Discrete output modules

### DC Output

- 4-pt. 5-24 VDC sink
- 8-pt. 5-24 VDC sink
- 8-pt. 5-24 VDC source
- 16-pt. 5-24 VDC sink
- 16-pt. 5-24 VDC source

### AC Output

- 4-pt. 110-220 VAC isolated
- 8-pt. 110VAC isolated
- 8-pt. 110-220 VAC isolated
- 16-pt. 15-220 VAC

### RELAY Output

- 8-pt. 5.0 A/pt
- 8-pt. 4.0 A/pt isolated
- 8-pt. 10.0A/pt isolated

## Specialty modules

- 8 pt. Input Simulator
- Filler Module

## Programming

Handheld programmer: [D2-HPP](#) \$590.00  
D2-HPP Handheld Programmer with built-in RLLPLUS for D3-350

*DirectSOFT Programming for Windows (PC-DSOFT6)*  
[PC-DSOFT6](#) \$462.00

[PC-DS100](#) Free

[PC-R60-U](#) (upgrade) \$291.00

## DIN rail mounted terminal blocks

See the Connection Systems section for over 200 available options.

## Communications

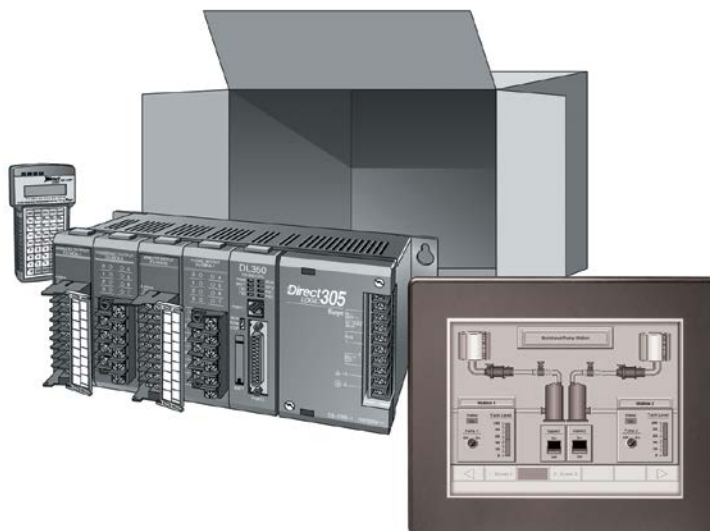
- Data Comm Module, 350 CPU only

## Operator panels

See the Operator Interface section for a complete listing of all types of panels and software.

## Connection systems

See the Wiring Solutions section in this catalog for information on DINector terminal blocks, **ZIP**Link connection systems and other connection accessories for use with the DL305 system.



**D3-350 CPU, D3-05BDC, and D3-10BDC bases have been retired. Please consider integrating to our Productivity, BRX, or CLICK PLC systems.**

# I/O Selection

## Choose your I/O modules

There are three major factors to consider when choosing an I/O module:

### **Environmental specifications:**

What environmental conditions will be present?

### **Hardware specifications:**

Does this product have the right features, performance and capacity to adequately serve the application?

### **Field termination:**

How does this module connect to field devices? For DC modules, is a sinking or sourcing module required?

## Review I/O hardware specifications

The hardware specifications for every DL305 module are listed with each module. Discrete module specifications are shown in a format similar to the example to the right. Take time to understand the specification chart, the derating curve and the wiring diagram.

Specialty module specifications are shown in a format that is relevant for each particular module. These module specifications should help you determine if this module is right for your application.

## Environmental specifications

The adjacent table lists the environmental specifications that globally apply to the DL305 system (CPU, Bases, and I/O modules). Be sure the modules you choose are operated within these environmental specifications.

| General I/O Module Specifications    |                                                     |
|--------------------------------------|-----------------------------------------------------|
| Specification                        | Rating                                              |
| <b>Storage Temperature</b>           | 4°F – 158°F (-20°C to 70°C)                         |
| <b>Ambient operating temperature</b> | 32°F – 140°F (0° to 60°C)                           |
| <b>Ambient humidity</b>              | 5% - 95% relative humidity (non-condensing)         |
| <b>Vibration resistance</b>          | MIL STD 810C, Method 514.2                          |
|                                      | Shifting: 0.075 mm 10–57 Hz 3 axes                  |
|                                      | Acceleration: 9.8 m/s <sup>2</sup> 57–150 Hz 3 axes |
|                                      | Sweeping: 810C, Method 516.2                        |
| <b>Peak accel</b>                    | 147 m/s <sup>2</sup> 11ms, 3 axes                   |
| <b>Noise immunity</b>                | NEMA (ICS3-304)                                     |
| <b>Atmosphere</b>                    | No corrosive gases                                  |