

# 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)

## Bases

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

## Analog modules

- 4 Channel IN, 12-bit, isolated

## Discrete input modules

### DC Input

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

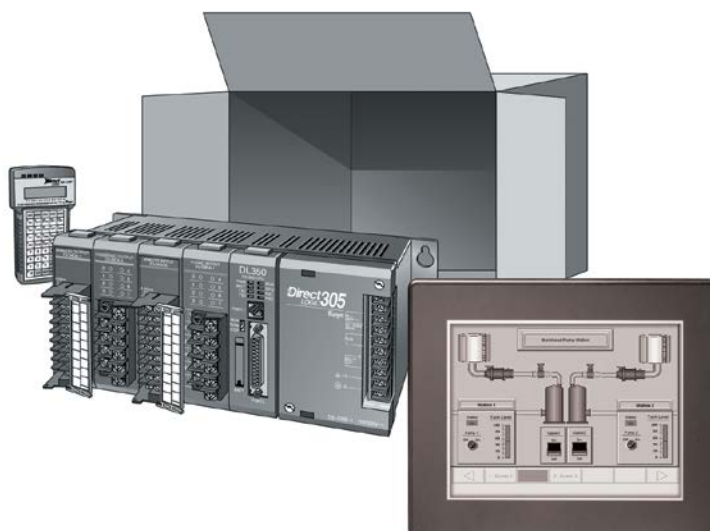
### AC/DC Input

- 8-pt. 24VAC/DC

## Discrete output modules

### RELAY Output

- 8-pt. 10.0A/pt isolated



## 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 DINnector terminal blocks, **ZPLink** connection systems and other connection accessories for use with the DL305 system.

**D3-350 and F3-PMUX-1 CPUs, 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