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

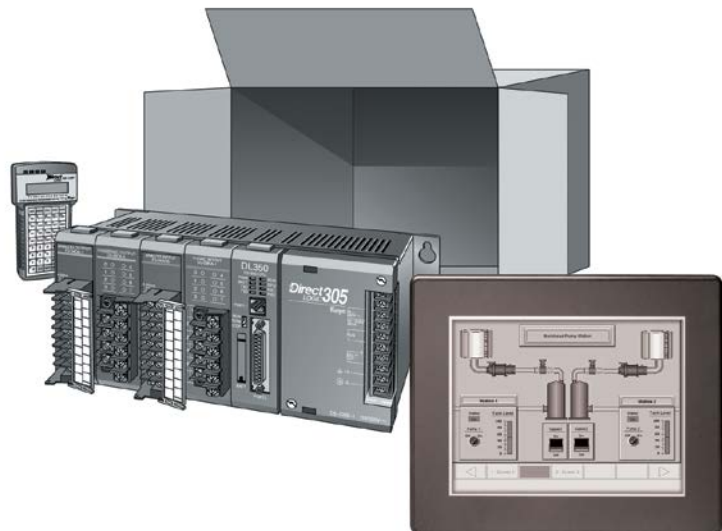• Data Comm Module, 350 CPU only

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 DIN*nector* 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*
Storage Temperature	4°F – 158°F (-20°C to 70°C)
Ambient operating temperature	32°F – 140°F (0° to 60°C)
Ambient humidity	5% - 95% relative humidity (non-condensing)
Vibration resistance	MIL STD 810C, Method 514.2
	Shifting: 0.075 mm 10–57 Hz 3 axes
	Acceleration: 9.8 m/s2 57–150 Hz 3 axes
	Sweeping: 810C, Method 516.2
Peak accel	147 m/s2 11ms, 3 axes
Noise immunity	NEMA (ICS3-304)
Atmosphere	No corrosive gases