

## PLC-DPLC-32MT/ET Series

### New Generation Programmable Logic Controller

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The programmable logic controller PLC-DPLC-32MT/ET Series developed by MEAN WELL, features software and firmware designed to comply with the international standard IEC61131-3. The series uses the Open PLC Editor programming software, supporting 5 programming languages, with a variety of library functions available for calling and online debugging. In addition, it supports the MODBus communication interface, enabling remote monitoring of on-site equipment operation and connection with other communication equipment.

With a modular design, both MT & ET series support 16 input/16 output points and offers extensive I/O port expansion, allowing for connection of up to 7 expansion modules for a maximum of 256 input/output points. The series features 4 channels capable of simultaneous pulse output at up to 100 kHz and a built-in real-time clock for time-based control. It suitable for industrial automation, SMT production line automation, smart agriculture, elevator control, building automation control and others application scenarios.

**Model Specification Comparison Table**

Series Name		PLC-DPLC-32MT	PLC-DPLC-32ET
General Specifications	Program Capacity	512KB	---
	Programming Method	IEC 61131-3 Programming Languages (LD, FBD, IL, ST, SFC)	
	Serial Communication	1 channel, RS485	---
	IO Expansion	Maximum Expansion Units: 7 Maximum Expanded IO Points: 224	---
Input Specifications	Digital Input (DI)	<ul style="list-style-type: none"> <li>● Standard DI Input: 16 channels, I0.0-I1.7, including 4 high-speed channels</li> <li>● Input Current: 2.1mA</li> <li>● Input ON, Input Voltage: &gt;15V</li> <li>● Input OFF, Input Voltage: &lt;5V</li> </ul>	<ul style="list-style-type: none"> <li>● Standard DI Input: 16 channels, I2.0-I3.7</li> <li>● Input Current: 2.1mA</li> <li>● Input ON, Input Voltage: &gt;15V</li> <li>● Input OFF, Input Voltage: &lt;5V</li> </ul>
		<ul style="list-style-type: none"> <li>● High-Speed Inputs: 4 channels, I1.0-I1.3</li> <li>● Input ON, Input Voltage: &gt;15V</li> <li>● Input OFF, Input Voltage: &lt;5V</li> <li>● Maximum Input Frequency: 4 groups of 100kHz</li> <li>● Single group 200K</li> </ul>	---
	Analog Input (AI)	<ul style="list-style-type: none"> <li>● 2 channels, Input Range: 0~10V</li> <li>● Input Impedance: ≥100KΩ</li> <li>● Resolution: 12bit</li> </ul>	<ul style="list-style-type: none"> <li>● 4 channels, Input Range: 0~10V</li> <li>● Input Impedance: ≥100KΩ</li> <li>● Resolution: 12bit</li> </ul>
Output Specifications	Digital Output (DO)	<ul style="list-style-type: none"> <li>● Standard DO Channels: 16 channels, Q0.0-Q1.7</li> <li>● Output Voltage Rating: 20.4~28.8V DC</li> <li>● Isolation Method: Isolation IC</li> <li>● Output Type: Transistor Sink</li> <li>● Output Rated Output Current: 0.5A per channel</li> </ul>	<ul style="list-style-type: none"> <li>● Standard DO Channels: 16 channels, Q2.0-Q3.7</li> <li>● Output Voltage Rating: 20.4~28.8V DC</li> <li>● Isolation Method: Isolation IC</li> <li>● Output Type: Transistor Sink</li> <li>● Output Rated Output Current: 0.5A per channel</li> </ul>
		<ul style="list-style-type: none"> <li>● High-Speed PWM Output Channels: 4 channels, Q0.0-Q0.3</li> <li>● Output Voltage Rating: 20.4~28.8V DC</li> <li>● Isolation Method: Isolation IC</li> <li>● Output Type: Transistor sink</li> <li>● Output Rated Output Current: 0.5A per channel</li> <li>● Maximum Output Frequency: 100kHz</li> </ul>	<ul style="list-style-type: none"> <li>● High-Speed PWM Output Channels: 4 channels, Q2.0-Q2.3</li> <li>● Output Voltage Rating: 20.4~28.8V DC</li> <li>● Isolation Method: Isolation IC</li> <li>● Output Type: Transistor sink</li> <li>● Output Rated Output Current: 0.5A per channel</li> <li>● Maximum Output Frequency: 100kHz</li> </ul>
Power Supply Specifications	Input Power	Rated Voltage: 24V DC(±15%)	
	Power Input Protection	Rated Current: 1.5 A	
Mechanical & Environmental Specifications	Dimensions (L×W×H)	144 × 90 × 60.3 mm	144 × 90 × 58.3 mm
	Mounting Method	DIN Rail Mounting	
	Temperature	Operating Temperature: 0 ~ +55°C; Storage Temperature: -40 ~ +70°C	

**Product Features**

- Expandable, compatible with extension modules
- Supports MODBus communication interface
- Adopts DIN Rail mounting
- Complies with IEC 61131-3 international standard
- 3-year warranty