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2nd Generation Standard Type PLC DVP-ES2/EX2

- Integrated communication functions
- Built-in 1 RS-232 and 2 RS-485 ports
- V2.0 and later version models support real time clock (RTC) and file register (5k words)
- ▶ Adopts 32-bit CPU
- ▶ DVP-ES2 provides 16/20/24/32/40/60 I/O points for a variety of applications
- ▶ DVP20EX2 provides 12-bit 4 analog inputs/2 analog outputs. With the aid of 14-bit analog input/ output extension module and built-in PID auto tuning function, it offers a complete analog control solution
- ▶ Program capacity: 16k steps/Data register: 10k words
- ▶ Higher execution speed compared to the competition:
LD: 0.35µs, MOV: 3.4µs
- ▶ Highly efficient processing ability: 1k steps of programs can be completed within 1ms
- ▶ Max.100kHz pulse control. Specific motion control instructions such as mark/masking and instant frequency changing are available for multi-axes applications
- ▶ Up to 4 levels of password protection secures your source programs and intellectual property

Built-in High-Speed Counters

1-phase 1 input		1-phase 2 inputs		2-phase 2 inputs	
Counters	Bandwidth	Counters	Bandwidth	Counters	Bandwidth
2/6	100kHz/10kHz	2	100kHz	1/3	15kHz/5kHz

New Member of DVP-ES2 Series

2nd Generation Standard Type PLC with built-in CANopen interface DVP32ES200RC/TC

Inheriting the fast execution speed of ES2, this series boosts productivity with a built-in 1Mbps CANopen interface and specializes in noise-immunity and easy wiring

Fast processing
speed



High-speed industrial
network: CANopen

- ▶ Adopts 32-bit CPU
- ▶ COM3 supports standard CANopen DS301 protocol
- ▶ Provides versatile communication types: PDO, SDO, synchronous (SYNC), Emergency, NMT and many more
- ▶ 1Mbps high speed transmission for large data
Maximum PDO transmission up to 390 bytes
Maximum PDO receiving up to 390 bytes
- ▶ Ability to connect with 16 slaves via CANopen
- ▶ CANopen Builder software is used to construct slave nodes



ES2 Series PLC and Extension Modules

The Most Cost-Effective Solution for Sequential Control!

DVP-ES2/EX2

- ▶ 100kHz pulse output
- ▶ Analog input/output



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DVP-ES2

Model name	Specifications
DVP16ES200R	⎓ 8 8 R
DVP16ES200T	⎓ 8 8 T
DVP24ES200R	⎓ 16 8 R
DVP24ES200T	⎓ 16 8 T
DVP32ES200R	⎓ 16 16 R
DVP32ES200T	⎓ 16 16 T
DVP32ES211T	⎓ 16 16 T
DVP32ES200RC	⎓ 16 16 R
DVP32ES200TC	⎓ 16 16 T
DVP40ES200R	⎓ 24 16 R
DVP40ES200T	⎓ 24 16 T
DVP60ES200R	⎓ 36 24 R
DVP60ES200T	⎓ 36 24 T

⎓ : AC power supply C : Inputs T : Transistor output
 ⎓ : DC power supply ↑ : Outputs R : Relay output

DVP-EX2

Model name	Specifications
DVP20EX200R	⎓ 6 6 R 4AI/2AO
DVP20EX200T	⎓ 6 6 T 4AI/2AO
DVP30EX200R	⎓ 16 10 R 3AI/1AO
DVP30EX200T	⎓ 16 10 T 3AI/1AO

⎓ : AC power supply C : Inputs T : Transistor output
 ⎓ : DC power supply ↑ : Outputs R : Relay output

Digital I/O Modules

Input Point Extension

DVP08XM211N
DVP16XM211N



Output Point Extension

DVP08XN211R/T
DVP16XN211R/T
DVP24XN200R/T



Input/Output Point Extension

DVP08XP211R/T
DVP16XP211R/T
DVP24XP200R/T
DVP32XP200R/T



Analog I/O Modules

Input Point Extension

DVP04AD-E2



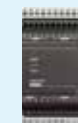
Output Point Extension

DVP04DA-E2
DVP02DA-E2



Input/Output Point Extension

DVP06XA-E2



Temperature Measurement Modules

DVP04PT-E2



DVP04TC-E2



Resolver Modules

DVP10RC-E2^{*1}



ES2 Series Extension Cable Modules

DVPAEXT01-E2



*1. Contact your sales representative for the official launch date of the DVP10RC-E2 module.

EC3 Series PLC

Product name	Power supply	Output method	Inputs	Outputs	Model name	Certificates
EC3 series standard PLC	100~240VAC	Transistor	12	8	DVP20EC00T3	 
	100~240VAC	Relay	12	12	DVP24EC00R3	
	100~240VAC	Transistor	12	12	DVP24EC00T3	
	100~240VAC	Relay	18	12	DVP30EC00R3	
	100~240VAC	Transistor	18	12	DVP30EC00T3	
	100~240VAC	Relay	16	16	DVP32EC00R3	
	100~240VAC	Transistor	16	16	DVP32EC00T3	
	100~240VAC	Relay	24	16	DVP40EC00R3	
	100~240VAC	Transistor	24	16	DVP40EC00T3	
	100~240VAC	Relay	28	20	DVP48EC00R3	
	100~240VAC	Transistor	28	20	DVP48EC00T3	
	100~240VAC	Relay	36	24	DVP60EC00R3	
	100~240VAC	Transistor	36	24	DVP60EC00T3	
Fastest execution time of basic instructions		3.8μs	Execution time of MOV instruction		5.04μs	

ES2/EX2 Series PLC

Product name	Power supply	Output method	Inputs	Outputs	Model name	Certificates
ES2 series standard PLC	100~240VAC	Relay	8	8	DVP16ES200R	
	100~240VAC	Transistor	8	8	DVP16ES200T	
	100~240VAC	Relay	16	8	DVP24ES200R	
	100~240VAC	Transistor	16	8	DVP24ES200T	
	100~240VAC	Relay	16	16	DVP32ES200R	
	100~240VAC	Transistor	16	16	DVP32ES200T	
	240VAC	Relay	16	16	DVP32ES211T	
	100~240VAC	Transistor	24	16	DVP40ES200R	
	100~240VAC	Relay	24	16	DVP40ES200T	
	100~240VAC	Transistor	36	24	DVP60ES200R	
ES2 series built-in CANopen PLC	100~240VAC	Relay	36	24	DVP60ES200T	
	100~240VAC	Transistor	36	24	DVP32ES200RC	
EX2 series analog PLC	100~240VAC	Relay	8	6	DVP20EX200R	
		Analog	4	2		
	100~240VAC	Transistor	8	6	DVP20EX200T	
		Analog	4	2		
EX2 series temperature/ analog PLC	100~240VAC	Relay	16	10	DVP30EX200R	
		Analog	3	1		
	100~240VAC	Transistor	16	10	DVP30EX200T	
		Analog	3	1		
Fastest execution time of basic instructions		0.35μs	Execution time of MOV instruction			3.4μs

ES2/EX2 Series Digital I/O Module (AC power supply)

Product name	Power supply	Output method	Inputs	Outputs	Model name	Certificates
ES2/EX2 digital module	100~240VAC	Relay	-	24	DVP24XN200R	 
	100~240VAC	Transistor	-	24	DVP24XN200T	
	100~240VAC	Relay	16	8	DVP24XP200R	
	100~240VAC	Transistor	16	8	DVP24XP200T	
	100~240VAC	Relay	16	16	DVP32XP200R	
	100~240VAC	Transistor	16	16	DVP32XP200T	